

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

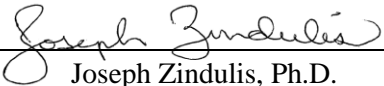
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10002C EXP. DATE: 01/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.2	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 68 Count at 45 minutes: 64 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 February 28, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

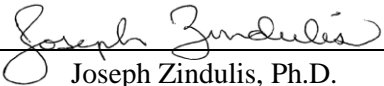
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10003C EXP. DATE: 01/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.2	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 56 Count at 45 minutes: 62 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

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 Joseph Zindulis, Ph.D.  
 Production Manager  
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 February 28, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

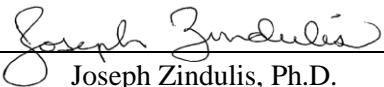
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10008C EXP. DATE: 01/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 63 Count at 45 minutes: 78 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

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 February 28, 2020

**CERTIFICATE OF ANALYSIS**

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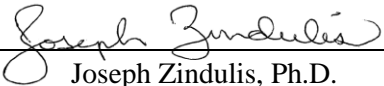
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10009C EXP. DATE: 01/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 62 Count at 45 minutes: 73 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

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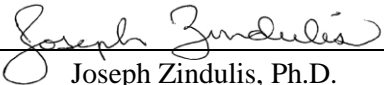
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10014C EXP. DATE: 01/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 61 Count at 45 minutes: 68 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

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 Joseph Zindulis, Ph.D.  
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 March 17, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

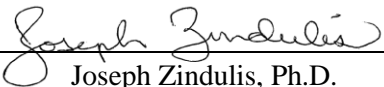
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10034C EXP. DATE: 02/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 50 Count at 45 minutes: 68 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

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 March 17, 2020

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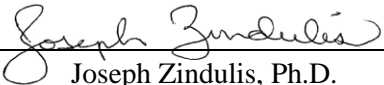
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10035C EXP. DATE: 02/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 72 Count at 45 minutes: 74 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

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 Joseph Zindulis, Ph.D.  
 Production Manager  
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 March 17, 2020

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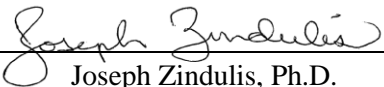
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10038C EXP. DATE: 02/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.2	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 61 Count at 45 minutes: 67 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 March 27, 2020



**CERTIFICATE OF ANALYSIS**

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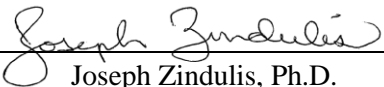
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10041C EXP. DATE: 02/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 69 Count at 45 minutes: 75 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 March 27, 2020

**CERTIFICATE OF ANALYSIS**

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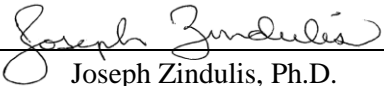
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10044C EXP. DATE: 02/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 58 Count at 45 minutes: 57 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

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 \_\_\_\_\_  
 Joseph Zindulis, Ph.D.  
 Production Manager  
 \_\_\_\_\_  
 April 6, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

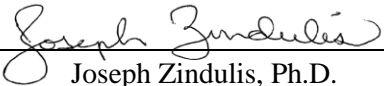
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10045D EXP. DATE: 02/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 61 Count at 45 minutes: 68 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

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 Joseph Zindulis, Ph.D.  
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 April 6, 2020

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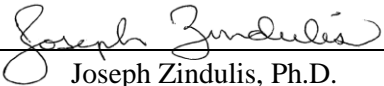
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10048C EXP. DATE: 02/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 59 Count at 45 minutes: 67 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

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 April 6, 2020

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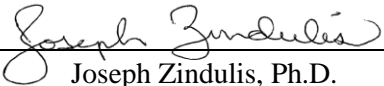
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10049C EXP. DATE: 02/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 61 Count at 45 minutes: 66 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

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 Joseph Zindulis, Ph.D.  
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 April 6, 2020

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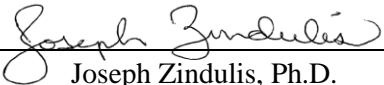
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10050C EXP. DATE: 02/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 70 Count at 45 minutes: 66 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

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 Production Manager  


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 April 21, 2020

**CERTIFICATE OF ANALYSIS**

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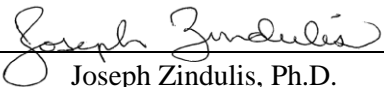
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10051C EXP. DATE: 02/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.2	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 67 Count at 45 minutes: 70 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 \_\_\_\_\_  
 Joseph Zindulis, Ph.D.  
 Production Manager  
 \_\_\_\_\_  
 April 21, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

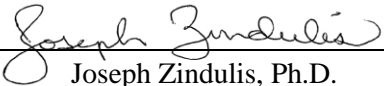
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10055C EXP. DATE: 02/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 73 Count at 45 minutes: 59 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 \_\_\_\_\_  
 Joseph Zindulis, Ph.D.  
 Production Manager  
 \_\_\_\_\_  
 April 21, 2020



**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

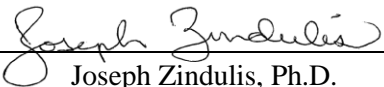
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10056C EXP. DATE: 02/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 56 Count at 45 minutes: 59 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

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 Production Manager  


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 April 21, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

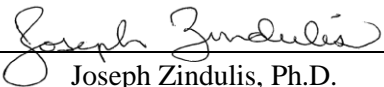
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TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 64 Count at 45 minutes: 64 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

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 Joseph Zindulis, Ph.D.  
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 April 22, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

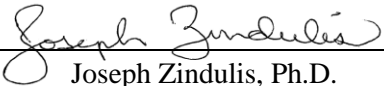
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10063C EXP. DATE: 03/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 74 Count at 45 minutes: 68 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

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 Production Manager  


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 April 22, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

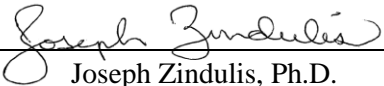
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10064C EXP. DATE: 03/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 56 Count at 45 minutes: 58 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

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 \_\_\_\_\_  
 Joseph Zindulis, Ph.D.  
 Production Manager  
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 April 23, 2020

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 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

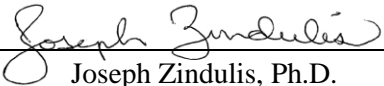
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10065C EXP. DATE: 03/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.2	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 56 Count at 45 minutes: 54 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 April 23, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

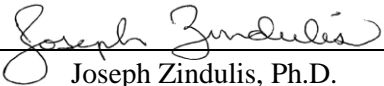
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10066A EXP. DATE: 03/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 46 Count at 45 minutes: 51 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 April 23, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

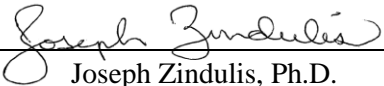
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10070C EXP. DATE: 03/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 76 Count at 45 minutes: 72 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 \_\_\_\_\_  
 Joseph Zindulis, Ph.D.  
 Production Manager  
 \_\_\_\_\_  
 May 5, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

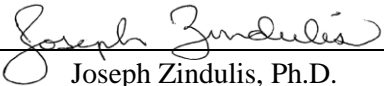
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10071C EXP. DATE: 03/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 81 Count at 45 minutes: 66 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 \_\_\_\_\_  
 Joseph Zindulis, Ph.D.  
 Production Manager  
 \_\_\_\_\_  
 May 5, 2020



**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

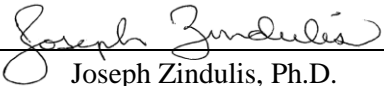
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10072C EXP. DATE: 03/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 80 Count at 45 minutes: 78 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  
 \_\_\_\_\_  
 May 5, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

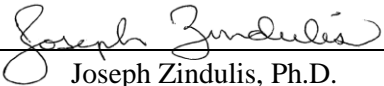
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TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 68 Count at 45 minutes: 65 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 \_\_\_\_\_  
 Joseph Zindulis, Ph.D.  
 Production Manager  
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 May 21, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

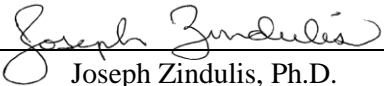
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TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 63 Count at 45 minutes: 51 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  
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 May 21, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

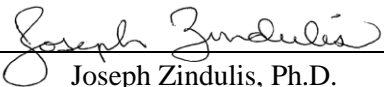
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10080C EXP. DATE: 03/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 69 Count at 45 minutes: 64 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 May 21, 2020

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 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

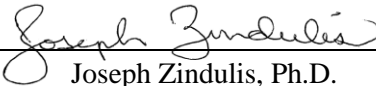
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10083C EXP. DATE: 03/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 59 Count at 45 minutes: 56 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 May 21, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

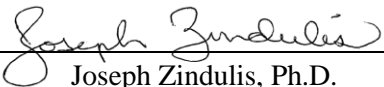
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10084C EXP. DATE: 03/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.1	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 59 Count at 45 minutes: 65 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 May 21, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

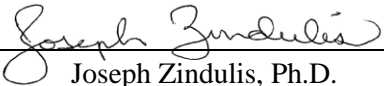
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10085C EXP. DATE: 03/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 60 Count at 45 minutes: 72 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 \_\_\_\_\_  
 Joseph Zindulis, Ph.D.  
 Production Manager  
 \_\_\_\_\_  
 May 21, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

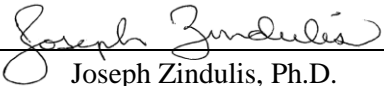
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10086C EXP. DATE: 03/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 68 Count at 45 minutes: 56 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 \_\_\_\_\_  
 Joseph Zindulis, Ph.D.  
 Production Manager  
 \_\_\_\_\_  
 May 21, 2020



**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

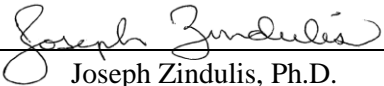
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10090C EXP. DATE: 03/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 66 Count at 45 minutes: 63 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 \_\_\_\_\_  
 Joseph Zindulis, Ph.D.  
 Production Manager  
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 May 21, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

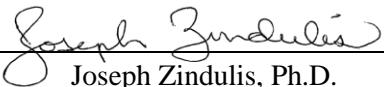
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10091C EXP. DATE: 03/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.1	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 69 Count at 45 minutes: 59 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 \_\_\_\_\_  
 Joseph Zindulis, Ph.D.  
 Production Manager  
 \_\_\_\_\_  
 May 21, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

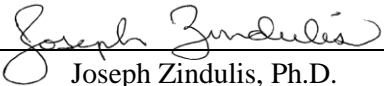
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10092C EXP. DATE: 04/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.2	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 54 Count at 45 minutes: 54 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 \_\_\_\_\_  
 Joseph Zindulis, Ph.D.  
 Production Manager  
 \_\_\_\_\_  
 May 21, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

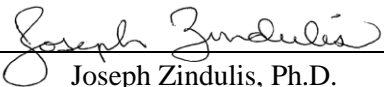
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10093C EXP. DATE: 04/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.2	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 62 Count at 45 minutes: 68 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 May 21, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

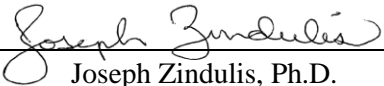
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10098D EXP. DATE: 04/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 64 Count at 45 minutes: 63 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 \_\_\_\_\_  
 Joseph Zindulis, Ph.D.  
 Production Manager  
 \_\_\_\_\_  
 May 27, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

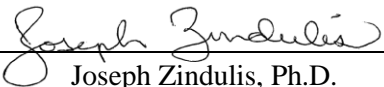
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10099C EXP. DATE: 04/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 67 Count at 45 minutes: 67 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 \_\_\_\_\_  
 Joseph Zindulis, Ph.D.  
 Production Manager  
 \_\_\_\_\_  
 May 27, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

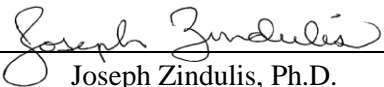
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10100C EXP. DATE: 04/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 55 Count at 45 minutes: 82 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 May 27, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

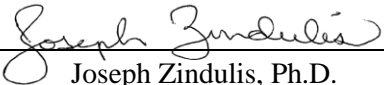
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10104C EXP. DATE: 04/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 63 Count at 45 minutes: 58 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 June 1, 2020



**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

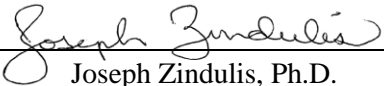
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10133C EXP. DATE: 05/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 74 Count at 45 minutes: 65 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 \_\_\_\_\_  
 Joseph Zindulis, Ph.D.  
 Production Manager  
 \_\_\_\_\_  
 July 23, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

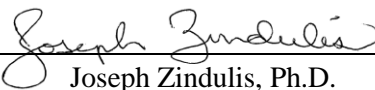
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10134C EXP. DATE: 05/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 70 Count at 45 minutes: 61 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 \_\_\_\_\_  
 Joseph Zindulis, Ph.D.  
 Production Manager  
 \_\_\_\_\_  
 July 23, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

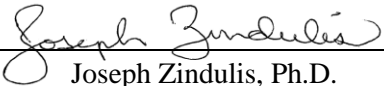
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10135C EXP. DATE: 05/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 64 Count at 45 minutes: 60 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 \_\_\_\_\_  
 Joseph Zindulis, Ph.D.  
 Production Manager  
 \_\_\_\_\_  
 July 23, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

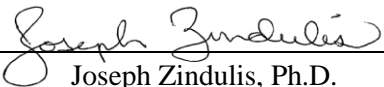
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10136C EXP. DATE: 05/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 64 Count at 45 minutes: 71 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 July 23, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

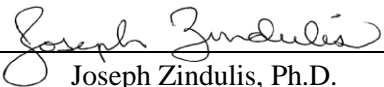
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10139C EXP. DATE: 05/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 56 Count at 45 minutes: 60 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 June 29, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

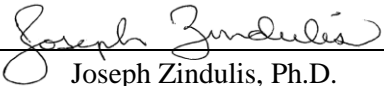
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10140C EXP. DATE: 05/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 67 Count at 45 minutes: 62 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 September 28, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

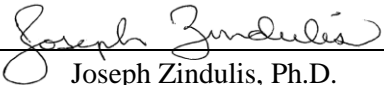
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10141C EXP. DATE: 05/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 68 Count at 45 minutes: 62 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 June 29, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

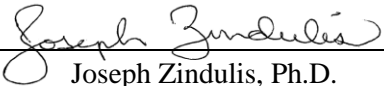
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10143C EXP. DATE: 05/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 65 Count at 45 minutes: 73 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 July 23, 2020



**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

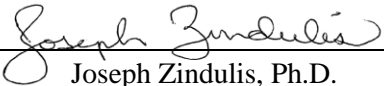
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10148C EXP. DATE: 05/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 69 Count at 45 minutes: 71 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 \_\_\_\_\_  
 Joseph Zindulis, Ph.D.  
 Production Manager  
 \_\_\_\_\_  
 July 23, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

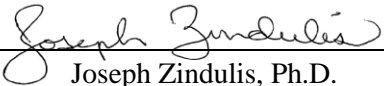
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10156C EXP. DATE: 06/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 67 Count at 45 minutes: 62 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 \_\_\_\_\_  
 Joseph Zindulis, Ph.D.  
 Production Manager  
 \_\_\_\_\_  
 July 24, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

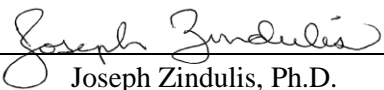
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10157C EXP. DATE: 06/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 66 Count at 45 minutes: 76 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 \_\_\_\_\_  
 Joseph Zindulis, Ph.D.  
 Production Manager  
 \_\_\_\_\_  
 July 24, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

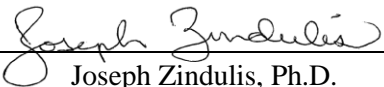
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10162C EXP. DATE: 06/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.2	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 65 Count at 45 minutes: 68 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 July 29, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

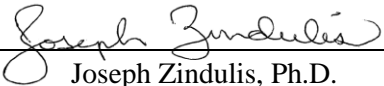
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10163C EXP. DATE: 06/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 57 Count at 45 minutes: 71 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 July 29, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

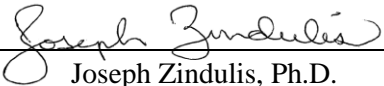
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10164C EXP. DATE: 06/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.2	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 70 Count at 45 minutes: 61 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 July 29, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

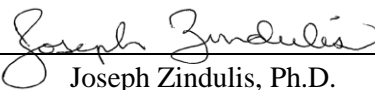
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10167C EXP. DATE: 06/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 62 Count at 45 minutes: 67 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 \_\_\_\_\_  
 Joseph Zindulis, Ph.D.  
 Production Manager  
 \_\_\_\_\_  
 July 29, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

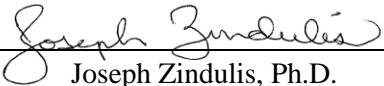
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10168C EXP. DATE: 06/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 44 Count at 45 minutes: 61 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 \_\_\_\_\_  
 Joseph Zindulis, Ph.D.  
 Production Manager  
 \_\_\_\_\_  
 July 29, 2020



**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

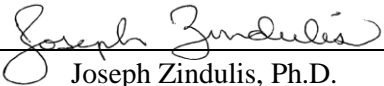
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10169C EXP. DATE: 06/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 68 Count at 45 minutes: 57 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 July 29, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

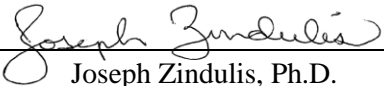
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10170C EXP. DATE: 06/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 50 Count at 45 minutes: 58 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 \_\_\_\_\_  
 Joseph Zindulis, Ph.D.  
 Production Manager  
 \_\_\_\_\_  
 July 29, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

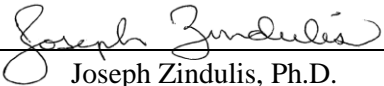
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10175C EXP. DATE: 06/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 60 Count at 45 minutes: 53 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 \_\_\_\_\_  
 Joseph Zindulis, Ph.D.  
 Production Manager  
 \_\_\_\_\_  
 August 11, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

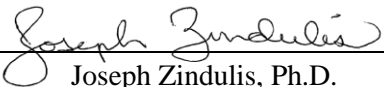
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10176C EXP. DATE: 06/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 71 Count at 45 minutes: 62 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 \_\_\_\_\_  
 Joseph Zindulis, Ph.D.  
 Production Manager  
 \_\_\_\_\_  
 August 11, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

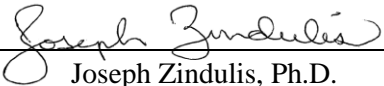
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10177C EXP. DATE: 06/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 54 Count at 45 minutes: 52 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 August 11, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

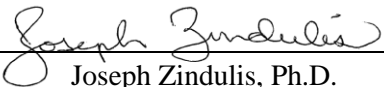
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10178C EXP. DATE: 06/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 54 Count at 45 minutes: 52 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 August 11, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

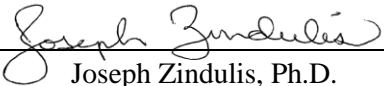
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10181C EXP. DATE: 06/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 61 Count at 45 minutes: 58 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 August 11, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

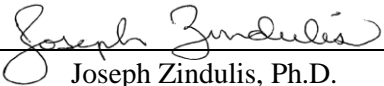
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10182C EXP. DATE: 06/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.2	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 53 Count at 45 minutes: 54 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 \_\_\_\_\_  
 Joseph Zindulis, Ph.D.  
 Production Manager  
 \_\_\_\_\_  
 August 11, 2020



**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

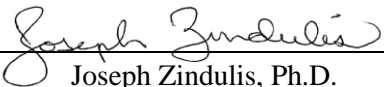
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10184C EXP. DATE: 07/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 63 Count at 45 minutes: 61 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 August 24, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

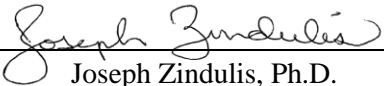
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10189C EXP. DATE: 07/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 60 Count at 45 minutes: 58 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 August 24, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

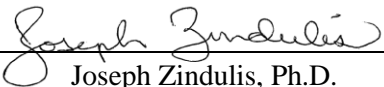
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10190C EXP. DATE: 07/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.2	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 59 Count at 45 minutes: 54 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 August 24, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

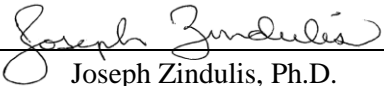
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10196C EXP. DATE: 07/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 43 Count at 45 minutes: 44 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 \_\_\_\_\_  
 Joseph Zindulis, Ph.D.  
 Production Manager  
 \_\_\_\_\_  
 September 3, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

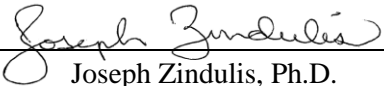
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10197C EXP. DATE: 07/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 53 Count at 45 minutes: 50 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 September 3, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

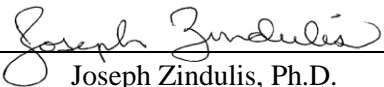
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10198C EXP. DATE: 07/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 61 Count at 45 minutes: 57 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 September 3, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

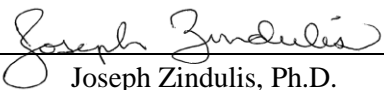
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TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 55 Count at 45 minutes: 55 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 September 4, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

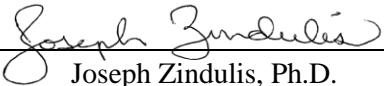
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10203C EXP. DATE: 07/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 63 Count at 45 minutes: 71 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 September 4, 2020



**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

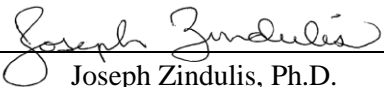
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10204D EXP. DATE: 07/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 52 Count at 45 minutes: 54 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 September 4, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

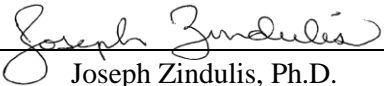
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10206C EXP. DATE: 07/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 60 Count at 45 minutes: 65 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 September 8, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

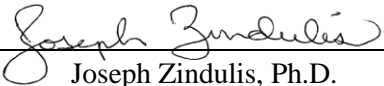
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10209C EXP. DATE: 07/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 55 Count at 45 minutes: 59 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 September 8, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

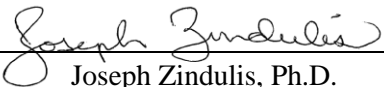
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TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 64 Count at 45 minutes: 68 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 September 8, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

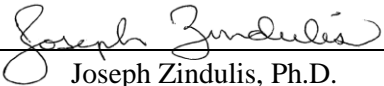
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10211C EXP. DATE: 07/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 56 Count at 45 minutes: 66 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 \_\_\_\_\_  
 Joseph Zindulis, Ph.D.  
 Production Manager  
 \_\_\_\_\_  
 September 8, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

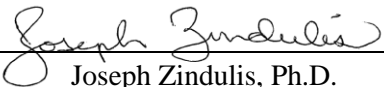
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10213C EXP. DATE: 07/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.0	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 61 Count at 45 minutes: 51 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 September 22, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

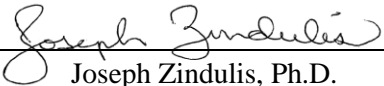
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10216C EXP. DATE: 08/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 55 Count at 45 minutes: 62 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 \_\_\_\_\_  
 Joseph Zindulis, Ph.D.  
 Production Manager  
 \_\_\_\_\_  
 September 22, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

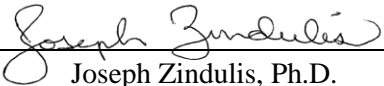
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10217C EXP. DATE: 08/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 56 Count at 45 minutes: 56 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 September 22, 2020



**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

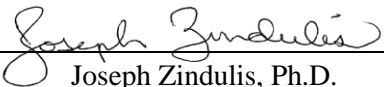
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10218C EXP. DATE: 08/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 42 Count at 45 minutes: 51 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 October 5, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

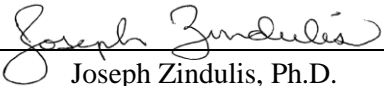
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10219C EXP. DATE: 08/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 49 Count at 45 minutes: 55 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 \_\_\_\_\_  
 Joseph Zindulis, Ph.D.  
 Production Manager  
 \_\_\_\_\_  
 September 28, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

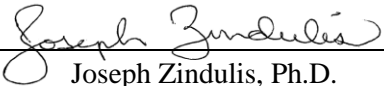
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10220C EXP. DATE: 08/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 49 Count at 45 minutes: 54 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 September 28, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

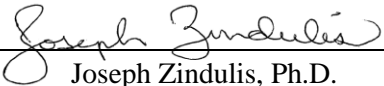
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10223C EXP. DATE: 08/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 52 Count at 45 minutes: 51 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 September 28, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

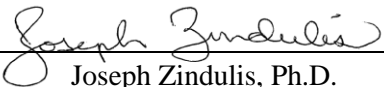
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10224C EXP. DATE: 08/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 53 Count at 45 minutes: 62 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 October 5, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

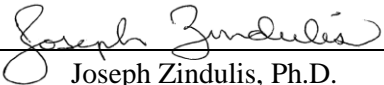
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10225C EXP. DATE: 08/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.1	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 61 Count at 45 minutes: 59 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 \_\_\_\_\_  
 Joseph Zindulis, Ph.D.  
 Production Manager  
 \_\_\_\_\_  
 October 5, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

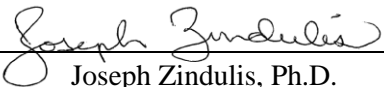
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10226C EXP. DATE: 08/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.1	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 73 Count at 45 minutes: 60 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 October 5, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

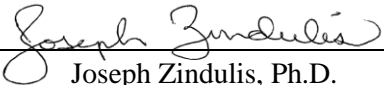
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10227C EXP. DATE: 08/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 56 Count at 45 minutes: 65 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 \_\_\_\_\_  
 Joseph Zindulis, Ph.D.  
 Production Manager  
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 October 5, 2020



**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

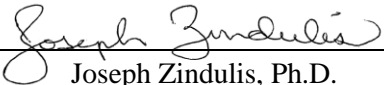
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10230C EXP. DATE: 08/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.2	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 60 Count at 45 minutes: 55 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 October 6, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

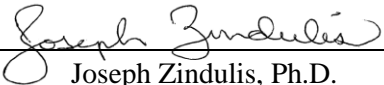
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10231C EXP. DATE: 08/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.0	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 58 Count at 45 minutes: 62 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  
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 October 6, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

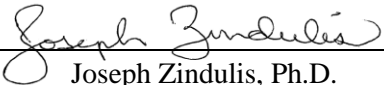
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10232C EXP. DATE: 08/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 63 Count at 45 minutes: 66 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 \_\_\_\_\_  
 Joseph Zindulis, Ph.D.  
 Production Manager  
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 October 6, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

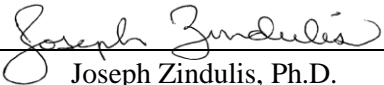
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10233C EXP. DATE: 08/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 63 Count at 45 minutes: 53 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 \_\_\_\_\_  
 Joseph Zindulis, Ph.D.  
 Production Manager  
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 October 6, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

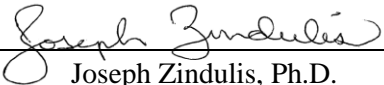
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10237C EXP. DATE: 08/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 53 Count at 45 minutes: 66 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 October 6, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

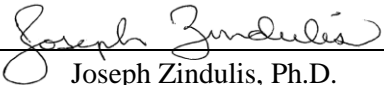
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10238C EXP. DATE: 08/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 61 Count at 45 minutes: 62 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 October 6, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

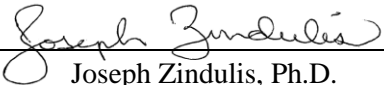
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10240C EXP. DATE: 08/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 60 Count at 45 minutes: 55 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 \_\_\_\_\_  
 Joseph Zindulis, Ph.D.  
 Production Manager  
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 October 22, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

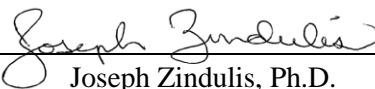
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10241C EXP. DATE: 08/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 70 Count at 45 minutes: 57 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 \_\_\_\_\_  
 Joseph Zindulis, Ph.D.  
 Production Manager  
 \_\_\_\_\_  
 October 22, 2020



**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

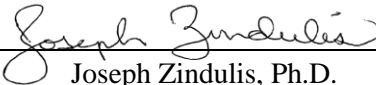
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10244C EXP. DATE: 08/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 64 Count at 45 minutes: 53 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 \_\_\_\_\_  
 Joseph Zindulis, Ph.D.  
 Production Manager  
 \_\_\_\_\_  
 October 22, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

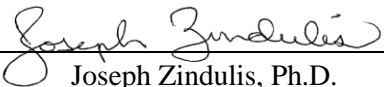
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10245C EXP. DATE: 09/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 51 Count at 45 minutes: 53 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Production Manager  


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 October 22, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

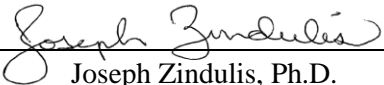
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10260C EXP. DATE: 09/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 52 Count at 45 minutes: 62 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 October 27, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

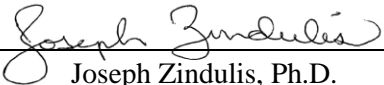
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10269C EXP. DATE: 09/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 68 Count at 45 minutes: 62 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 November 5, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

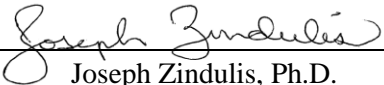
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10272C EXP. DATE: 09/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.2	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 71 Count at 45 minutes: 70 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 November 19, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

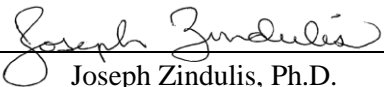
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10273C EXP. DATE: 09/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 82 Count at 45 minutes: 83 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 November 19, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

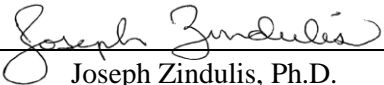
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TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.2	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 75 Count at 45 minutes: 70 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 November 19, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

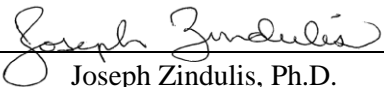
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10275C EXP. DATE: 10/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 67 Count at 45 minutes: 79 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 November 19, 2020



**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

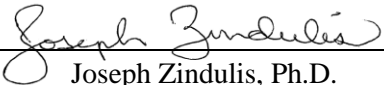
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10276C EXP. DATE: 10/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 76 Count at 45 minutes: 76 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 November 18, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

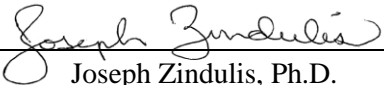
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10279C EXP. DATE: 10/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 67 Count at 45 minutes: 76 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 \_\_\_\_\_  
 Joseph Zindulis, Ph.D.  
 Production Manager  
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 December 3, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

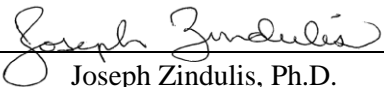
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10280C EXP. DATE: 10/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 70 Count at 45 minutes: 67 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 November 18, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

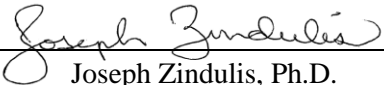
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10282C EXP. DATE: 10/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 79 Count at 45 minutes: 84 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 November 25, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

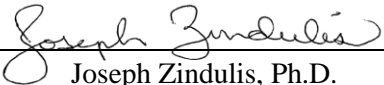
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10286C EXP. DATE: 10/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 85 Count at 45 minutes: 89 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 November 25, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

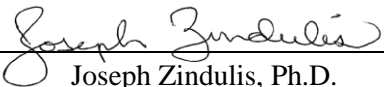
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 10287C EXP. DATE: 10/2022

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 77 Count at 45 minutes: 78 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 November 25, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

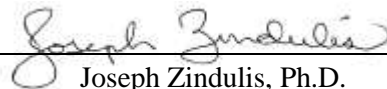
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19134C EXP. DATE: 05/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 63 Count at 45 minutes: 71 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager

July 10, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

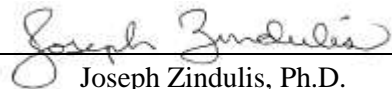
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TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 59 Count at 45 minutes: 66 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager

July 10, 2019



**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

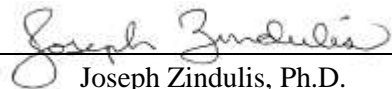
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TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 63 Count at 45 minutes: 66 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager

July 10, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

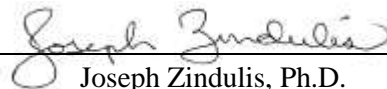
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TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 50 Count at 45 minutes: 64 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager

July 16, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

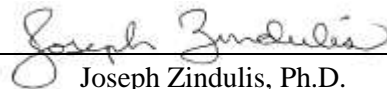
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19141C EXP. DATE: 05/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 60 Count at 45 minutes: 53 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager

July 16, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

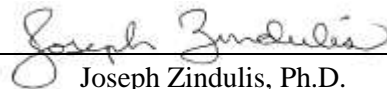
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19142C EXP. DATE: 05/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 60 Count at 45 minutes: 65 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager

July 26, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

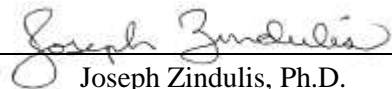
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19143C EXP. DATE: 05/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 58 Count at 45 minutes: 55 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager

July 16, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

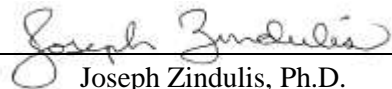
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19144C EXP. DATE: 05/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 51 Count at 45 minutes: 57 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager

July 23, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19148C EXP. DATE: 05/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 49 Count at 45 minutes: 50 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager

July 23, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

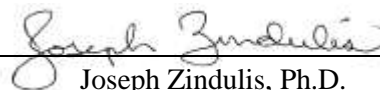
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19149C EXP. DATE: 05/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 50 Count at 45 minutes: 60 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager

July 23, 2019



**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

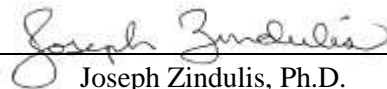
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19150C EXP. DATE: 05/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 53 Count at 45 minutes: 59 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager

July 23, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

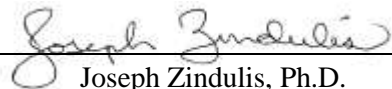
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19151C EXP. DATE: 05/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 64 Count at 45 minutes: 66 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager

July 24, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

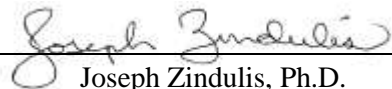
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19154C EXP. DATE: 06/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 45 Count at 45 minutes: 53 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager

July 24, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

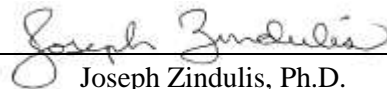
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19155C EXP. DATE: 06/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 45 Count at 45 minutes: 58 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager

July 24, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

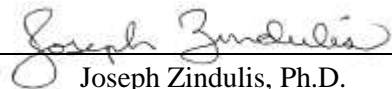
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19156C EXP. DATE: 06/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 56 Count at 45 minutes: 60 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager

July 24, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

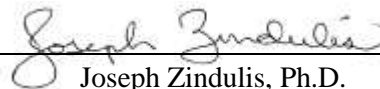
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19157C EXP. DATE: 06/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 59 Count at 45 minutes: 57 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager

July 29, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

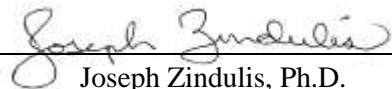
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19158C EXP. DATE: 06/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 51 Count at 45 minutes: 56 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
---



 Joseph Zindulis, Ph.D.  
 Production Manager

July 29, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

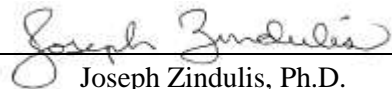
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19161C EXP. DATE: 06/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 53 Count at 45 minutes: 53 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
---



 Joseph Zindulis, Ph.D.  
 Production Manager

July 29, 2019



**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

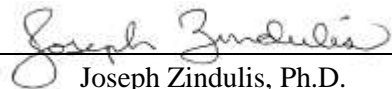
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19162C EXP. DATE: 06/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 47 Count at 45 minutes: 50 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager

July 29, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

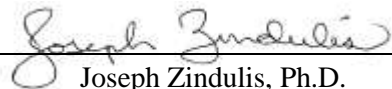
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19163C EXP. DATE: 06/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 71 Count at 45 minutes: 72 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager

July 31, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

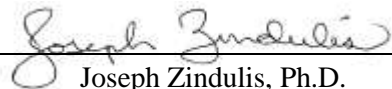
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19168C EXP. DATE: 06/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 69 Count at 45 minutes: 64 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager

July 31, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

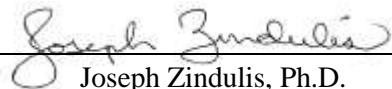
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19169C EXP. DATE: 06/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.2	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 63 Count at 45 minutes: 64 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager

July 31, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

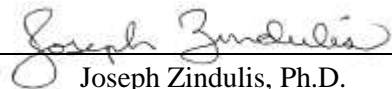
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19170C EXP. DATE: 06/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 58 Count at 45 minutes: 55 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager

August 1, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

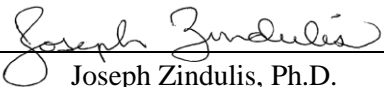
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19171C EXP. DATE: 06/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.2	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 50 Count at 45 minutes: 57 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 September 19, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

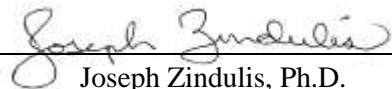
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19175C EXP. DATE: 06/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 48 Count at 45 minutes: 49 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager

August 1, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

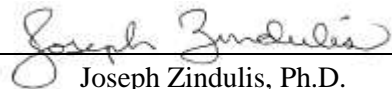
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19176C EXP. DATE: 06/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.2	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 43 Count at 45 minutes: 41 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager

August 1, 2019



**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

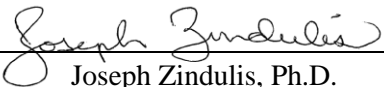
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19177C EXP. DATE: 06/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 54 Count at 45 minutes: 61 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 August 15, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

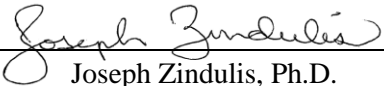
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19182C EXP. DATE: 07/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 62 Count at 45 minutes: 54 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 August 15, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

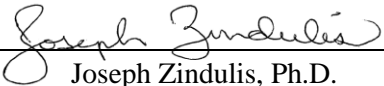
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19184C EXP. DATE: 07/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 51 Count at 45 minutes: 51 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 August 15, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

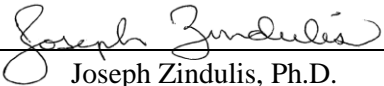
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19189C EXP. DATE: 07/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 55 Count at 45 minutes: 48 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 August 15, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

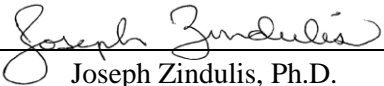
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TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 57 Count at 45 minutes: 53 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 \_\_\_\_\_  
 Joseph Zindulis, Ph.D.  
 Production Manager  
 \_\_\_\_\_  
 August 30, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

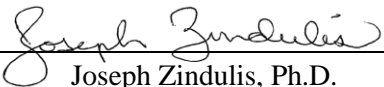
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19192C EXP. DATE: 07/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 54 Count at 45 minutes: 53 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 August 30, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

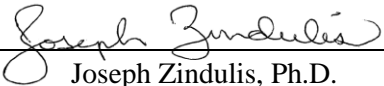
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19196C EXP. DATE: 07/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 58 Count at 45 minutes: 53 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 September 4, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

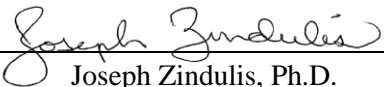
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19197C EXP. DATE: 07/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 50 Count at 45 minutes: 52 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

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 \_\_\_\_\_  
 Joseph Zindulis, Ph.D.  
 Production Manager  
 \_\_\_\_\_  
 September 4, 2019



**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

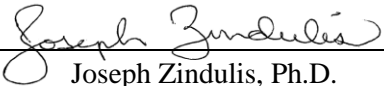
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19198C EXP. DATE: 07/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 63 Count at 45 minutes: 59 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 \_\_\_\_\_  
 Joseph Zindulis, Ph.D.  
 Production Manager  
 \_\_\_\_\_  
 September 4, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

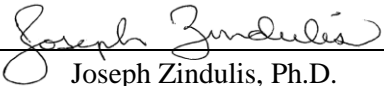
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19199C EXP. DATE: 07/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 69 Count at 45 minutes: 63 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 September 4, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

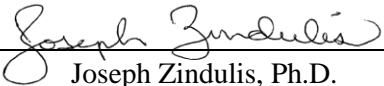
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19200A EXP. DATE: 07/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 69 Count at 45 minutes: 63 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 September 6, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

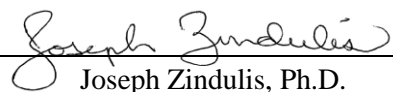
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19203C EXP. DATE: 07/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 55 Count at 45 minutes: 61 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 \_\_\_\_\_  
 Joseph Zindulis, Ph.D.  
 Production Manager  
 \_\_\_\_\_  
 September 6, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

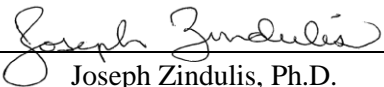
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19205C EXP. DATE: 07/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 60 Count at 45 minutes: 69 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

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 Joseph Zindulis, Ph.D.  
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 September 6, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

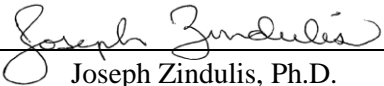
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19210A EXP. DATE: 07/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 64 Count at 45 minutes: 69 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Production Manager  


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 September 6, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

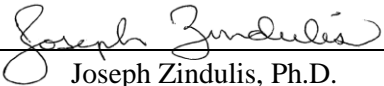
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19211C EXP. DATE: 07/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 67 Count at 45 minutes: 66 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 September 6, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

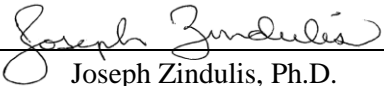
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19212C EXP. DATE: 07/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 75 Count at 45 minutes: 60 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 September 16, 2019



**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

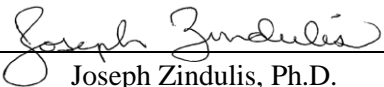
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19213C EXP. DATE: 08/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 64 Count at 45 minutes: 66 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 \_\_\_\_\_  
 Joseph Zindulis, Ph.D.  
 Production Manager  
 \_\_\_\_\_  
 September 16, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

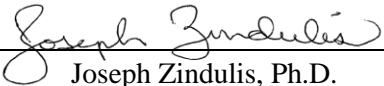
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19219C EXP. DATE: 08/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.2	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 58 Count at 45 minutes: 54 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 September 20, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

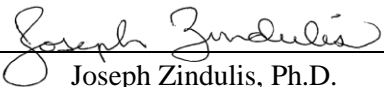
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19220C EXP. DATE: 08/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 61 Count at 45 minutes: 62 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 September 20, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

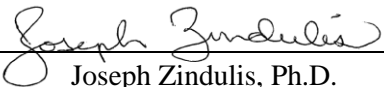
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19221C EXP. DATE: 08/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 45 Count at 45 minutes: 58 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 September 20, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

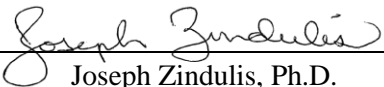
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19224C EXP. DATE: 08/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 68 Count at 45 minutes: 64 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 September 23, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

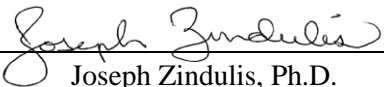
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19225C EXP. DATE: 08/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 67 Count at 45 minutes: 67 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 September 23, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

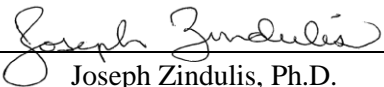
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19226C EXP. DATE: 08/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 74 Count at 45 minutes: 81 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 September 23, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

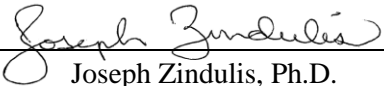
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19227C EXP. DATE: 08/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 71 Count at 45 minutes: 60 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  
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 September 23, 2019



**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

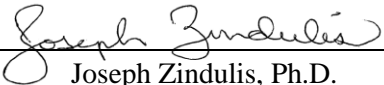
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19228C EXP. DATE: 08/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 71 Count at 45 minutes: 77 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 October 3, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

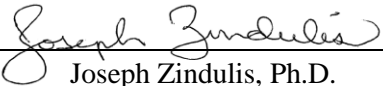
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19233A EXP. DATE: 08/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 70 Count at 45 minutes: 61 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  
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 October 3, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

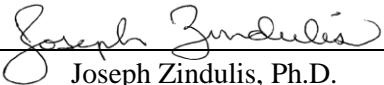
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19234C EXP. DATE: 08/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 73 Count at 45 minutes: 62 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  
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 October 7, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

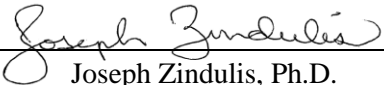
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19235C EXP. DATE: 08/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 72 Count at 45 minutes: 71 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  
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 October 7, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

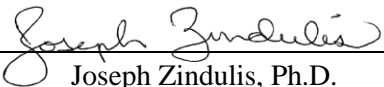
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19238C EXP. DATE: 08/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 69 Count at 45 minutes: 60 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  
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 October 7, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

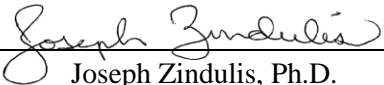
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19239C EXP. DATE: 08/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 64 Count at 45 minutes: 64 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 October 7, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

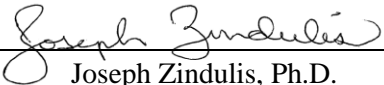
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19240C EXP. DATE: 08/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 67 Count at 45 minutes: 72 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 October 14, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

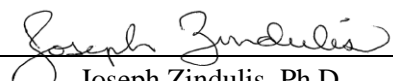
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19241C EXP. DATE: 08/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 71 Count at 45 minutes: 62 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Production Manager  


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 October 14, 2019



**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

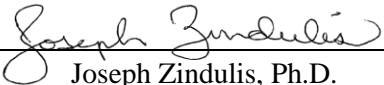
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19242C EXP. DATE: 08/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 74 Count at 45 minutes: 72 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 October 14, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

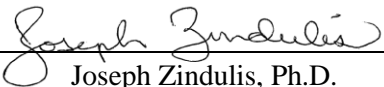
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19246C EXP. DATE: 09/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 70 Count at 45 minutes: 71 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 October 14, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

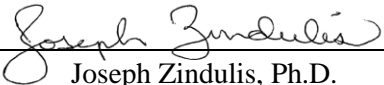
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19247C EXP. DATE: 09/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 54 Count at 45 minutes: 56 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 October 17, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

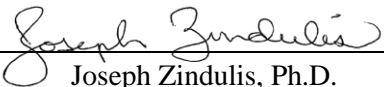
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19248C EXP. DATE: 09/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 63 Count at 45 minutes: 71 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 October 17, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

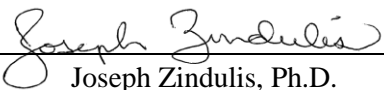
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19252C EXP. DATE: 09/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 51 Count at 45 minutes: 56 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 October 17, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

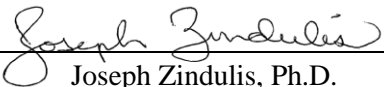
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19253C EXP. DATE: 09/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 56 Count at 45 minutes: 63 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 October 17, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

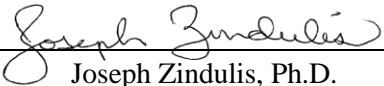
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19254C EXP. DATE: 09/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 70 Count at 45 minutes: 64 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 December 4, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

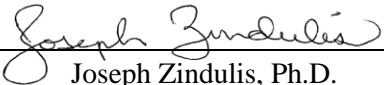
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19255C EXP. DATE: 09/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 73 Count at 45 minutes: 71 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 October 29, 2019



**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

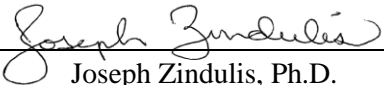
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19262C EXP. DATE: 09/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 77 Count at 45 minutes: 68 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 \_\_\_\_\_  
 Joseph Zindulis, Ph.D.  
 Production Manager  
 \_\_\_\_\_  
 October 30, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

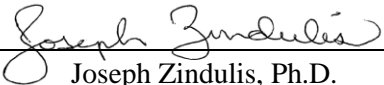
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19266B EXP. DATE: 09/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 67 Count at 45 minutes: 63 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 October 30, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

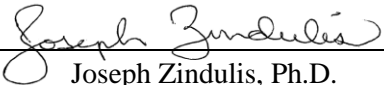
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19268C EXP. DATE: 09/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.2	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 78 Count at 45 minutes: 71 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 November 6, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

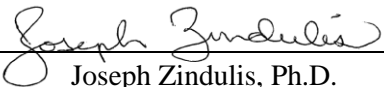
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19276C EXP. DATE: 10/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 71 Count at 45 minutes: 68 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 November 19, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

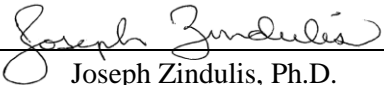
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19277C EXP. DATE: 10/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 78 Count at 45 minutes: 66 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 \_\_\_\_\_  
 Joseph Zindulis, Ph.D.  
 Production Manager  
 \_\_\_\_\_  
 November 19, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

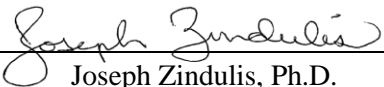
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19280C EXP. DATE: 10/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 64 Count at 45 minutes: 53 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 November 19, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

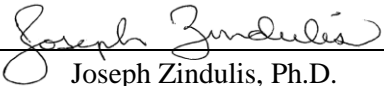
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19282C EXP. DATE: 10/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 65 Count at 45 minutes: 66 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 \_\_\_\_\_  
 Joseph Zindulis, Ph.D.  
 Production Manager  
 \_\_\_\_\_  
 January 9, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

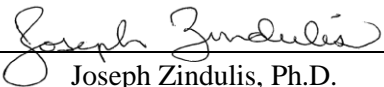
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19283C EXP. DATE: 10/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 68 Count at 45 minutes: 77 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 November 19, 2019



**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

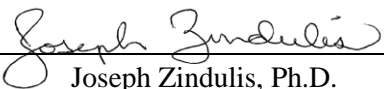
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19287C EXP. DATE: 10/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 77 Count at 45 minutes: 71 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 November 25, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

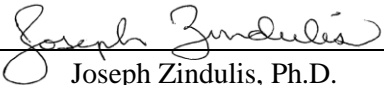
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19288C EXP. DATE: 10/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 69 Count at 45 minutes: 72 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 November 25, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

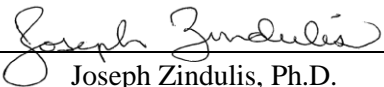
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19289C EXP. DATE: 10/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 81 Count at 45 minutes: 80 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 November 25, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

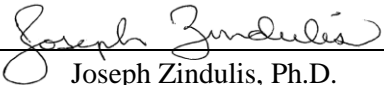
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19290D EXP. DATE: 10/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 73 Count at 45 minutes: 69 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 November 25, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

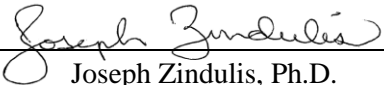
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19291A EXP. DATE: 10/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 66 Count at 45 minutes: 64 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 December 9, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

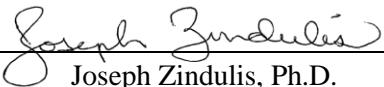
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19294A EXP. DATE: 10/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 61 Count at 45 minutes: 70 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 December 9, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

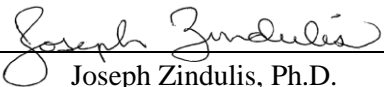
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19295C EXP. DATE: 10/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 64 Count at 45 minutes: 64 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 December 9, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

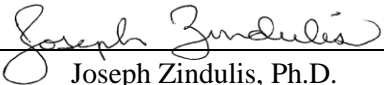
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19296C EXP. DATE: 10/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 62 Count at 45 minutes: 69 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 December 9, 2019



**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

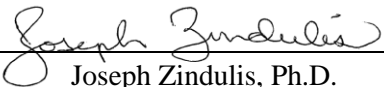
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19298C EXP. DATE: 10/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.2	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 63 Count at 45 minutes: 68 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
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 December 9, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

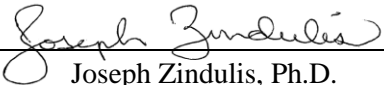
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19301C EXP. DATE: 10/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 68 Count at 45 minutes: 65 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 December 16, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

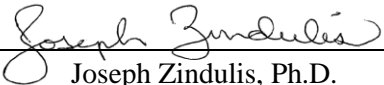
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19302C EXP. DATE: 10/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.2	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 62 Count at 45 minutes: 57 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 \_\_\_\_\_  
 Joseph Zindulis, Ph.D.  
 Production Manager  
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 December 16, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

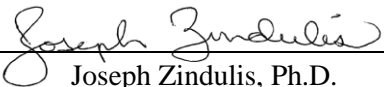
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TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 65 Count at 45 minutes: 60 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 December 16, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

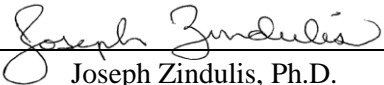
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19305C EXP. DATE: 11/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 66 Count at 45 minutes: 82 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 December 18, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

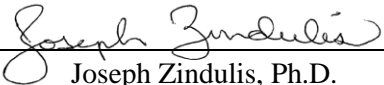
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TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.2	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 75 Count at 45 minutes: 83 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 December 18, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

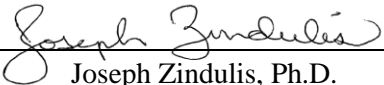
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TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 68 Count at 45 minutes: 60 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 December 18, 2019

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

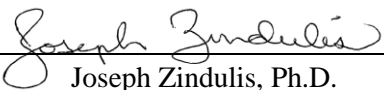
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19311C EXP. DATE: 11/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.2	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 69 Count at 45 minutes: 67 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 January 7, 2020



**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

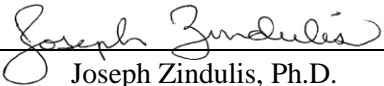
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TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 63 Count at 45 minutes: 71 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 January 7, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

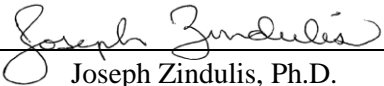
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TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 65 Count at 45 minutes: 70 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 January 7, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

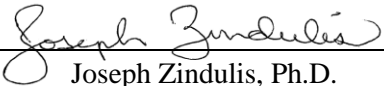
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19317C EXP. DATE: 11/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 80 Count at 45 minutes: 71 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 January 8, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

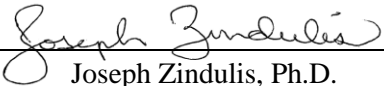
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19318D EXP. DATE: 11/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 79 Count at 45 minutes: 72 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 January 8, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

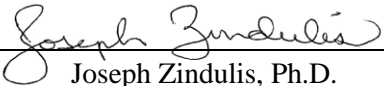
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19319A EXP. DATE: 11/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.2	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 79 Count at 45 minutes: 68 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 January 8, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

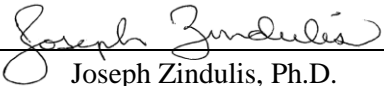
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19339C EXP. DATE: 12/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.2	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 70 Count at 45 minutes: 62 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

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 Joseph Zindulis, Ph.D.  
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 January 23, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

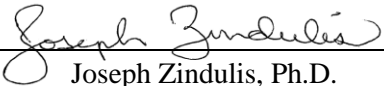
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19344C EXP. DATE: 12/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.1	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 74 Count at 45 minutes: 68 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

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 January 29, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

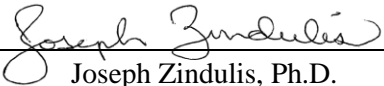
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19345C EXP. DATE: 12/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.2	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 53 Count at 45 minutes: 69 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 February 10, 2020



**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

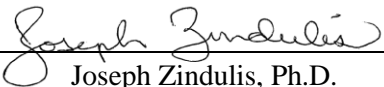
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19346C EXP. DATE: 12/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.2	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 70 Count at 45 minutes: 61 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 February 10, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

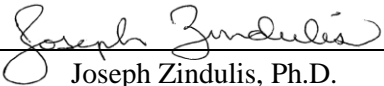
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19347C EXP. DATE: 12/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.2	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 70 Count at 45 minutes: 61 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  
 \_\_\_\_\_  
 February 10, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

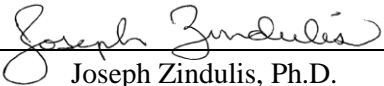
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19350C EXP. DATE: 12/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 65 Count at 45 minutes: 52 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 \_\_\_\_\_  
 Joseph Zindulis, Ph.D.  
 Production Manager  
 \_\_\_\_\_  
 February 10, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

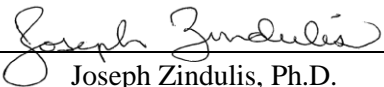
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TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 59 Count at 45 minutes: 59 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 February 13, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

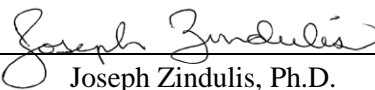
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TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 64 Count at 45 minutes: 68 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 February 13, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

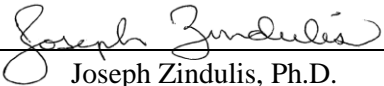
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TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 58 Count at 45 minutes: 69 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 February 13, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

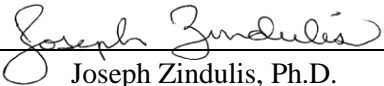
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19357C EXP. DATE: 12/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.2	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 70 Count at 45 minutes: 59 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 February 24, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

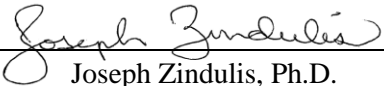
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19358A EXP. DATE: 12/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 73 Count at 45 minutes: 67 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 February 24, 2020



**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

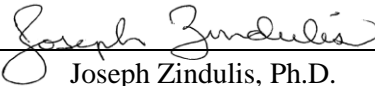
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19360C EXP. DATE: 12/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.2	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 65 Count at 45 minutes: 67 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677
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 Joseph Zindulis, Ph.D.  
 Production Manager  


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 February 24, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

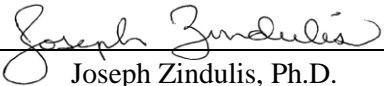
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19361C EXP. DATE: 12/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 61 Count at 45 minutes: 65 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

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 Joseph Zindulis, Ph.D.  
 Production Manager  
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 February 24, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

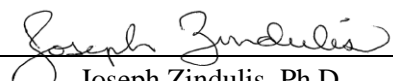
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19364C EXP. DATE: 12/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 61 Count at 45 minutes: 71 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

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 Joseph Zindulis, Ph.D.  
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 February 28, 2020

**CERTIFICATE OF ANALYSIS**

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer

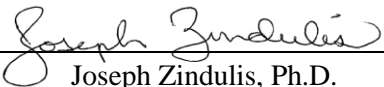
 CATALOG No. 3127-14 VOLUME (ml) 99 LOT No. 19365A EXP. DATE: 12/2021

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 66 Count at 45 minutes: 61 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 <sup>-6</sup>	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 \*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

\*\*Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

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