



# Certificate of Analysis



## DMSO (Dimethyl Sulfoxide)

**Material:** 0231  
**Grade:** ACS GRADE  
**Batch Number:** 19L3156915

Chemical Formula: (CH<sub>3</sub>)<sub>2</sub>SO      Manufacture Date: 07/08/2019  
Molecular Weight: 78.13      Reassay Date: 07/31/2022  
CAS #: 67-68-5  
Appearance:      Storage: Room Temperature

Clear, colorless liquid

TEST	SPECIFICATION	ANALYSIS	DISPOSITION
Abs.@270nm	<= 0.40	0.34	PASS
Abs.@290nm	<= 0.18	0.12	PASS
Abs.@310nm	<= 0.06	0.06	PASS
Abs.@330nm	~ 0.02	0.02	PASS
Abs.@350-400nm	<= 0.01	<0.01	PASS
Purity	>= 99.9 %	100.0 %	PASS
Residue After Evaporation	<= 0.01 %	<0.001 %	PASS
Titration Free Acid	<= 0.001 meq/g	<0.001 meq/g	PASS
Water (KF)	<= 0.1 %	0.011 %	PASS

Spec Set: 0231ACS

Internal ID #: 647

Signature	Additional Information
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We certify that this batch conforms to the specifications listed.

Analysis may have been rounded to significant digits in specification limits.

This document has been electronically produced and is valid without a signature.

Product meets analytical specifications of the grades listed.

Leona Edwardson, Quality Control Sr. Manager - Solon  
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