



CERTIFICATE OF ANALYSIS

Product Name	Toluene
Grade	General Use HPLC-UV Grade
Catalog #	34700HPLC
Item #	101216
Batch #	211130-B008402
Date of Manufacture:	12/14/2021
Recommended Retest Date:	12/13/2026
Customer PO #	P17938 / 2
Packaging Type	Case Poly Fluor 4x1 Gal
Quantity for Delivery	1
Packaged by	Greenfield Global USA Inc, 58 Vale Road, Brookfield, CT 06804

TEST	MONO-GRAPH	SPECIFICATION	RESULT	UNITS
Appearance	ACS	Clear, Colorless Liquid	Pass	N/A
Assay (GC), corrected for water	ACS	NLT 99.5%	99.92	%
Color (APHA)	ACS	10 max	2	N/A
Residue after Evaporation	ACS	0.001% max	0.000	%
Substance Darkened by H2SO4	ACS	To Pass Test	Pass	N/A
Sulfur Compounds (as S)	ACS	0.003% max.	LT 0.001%	N/A
Water	ACS	0.03% max.	0.01	%
Benzene	Internal	0.03% max.	0.00	%
Boiling Range within 2.0oC, inc. 110.6oC	Internal	To Pass Test	Pass	N/A
C8 Aromatics	Internal	Per Lot	0.02	%
Non - Aromatics	Internal	Per Lot	0.06	%
Specific Gravity @ 60oF	Internal	0.869 - 0.873	0.872	N/A
UV Absorbance @ 286 nm	ACS	1.00 max	0.53	N/A
UV Absorbance @ 288 nm	ACS	0.50 max	0.34	N/A



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TEST	MONO-GRAPH	SPECIFICATION	RESULT	UNITS
UV Absorbance @ 293 nm	ACS	0.20 max	0.19	N/A
UV Absorbance @ 300 nm	ACS	0.10 max	0.10	N/A
UV Absorbance @ 310 nm	ACS	0.05 max	0.05	N/A
UV Absorbance @ 335 nm	ACS	0.02 max	0.01	N/A
UV Absorbance @ 350 nm	ACS	0.01 max	0.00	N/A
UV Absorbance @ 400 nm	ACS	0.01 max	0.00	N/A

Certification and Compliance Statements

This lot of Toluene complies with all of the abovementioned specifications. Certain test data have been supplied by third parties.

This product is for further commercial manufacturing, laboratory or research use. It is not intended for use as an active ingredient in drug manufacturing nor as a medical device or disinfectant. Appropriate/legal use of this product is the responsibility of the user.

This product is not derived, nor does it come in contact with, any materials derived from bovine or other animal sources.

This document was electronically signed by Gabriella Scoca on 12/16/2021 6:08:51 PM to indicate Quality Assurance Approval and Release this document.