



...Pure Quality

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## Certificate of Analysis

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**Product:** Toluene  
**Cat:** CP-C4954  
**Lot:** 230829-B064689  
**Date of Manufacture:** 06/15/2023  
**Use Before Date:** 06/13/2028

Meets ACS Specifications, HPLC-UV grade

<u>Test</u>	<u>Specification</u>		<u>Result</u>	<u>Units</u>
	<u>Min.</u>	<u>Max.</u>		
Appearance	Clear, colorless liquid		Clear, colorless liquid	
Water by Karl Fischer Titration		0.030	0.01	%
Residue after Evaporation		0.001	0.000	%
Assay by GC Analysis	99.5		99.92	%
Color (APHA)		10	2	N/A
Substances Darkened by Sulfuric Acid	Passes test		Passes test	
Sulfur Compounds (as S)		0.003	<0.001	%
Benzene		0.03%	0.00	
Boiling Range within 2C, incl. 110.6C	To Pass test		Pass	
C8 Aromatics		Per Lot	0.01	%
Non-Aromatics		Per Lot	0.07	%
Specific Gravity at 60°F	0.869	0.873	0.872	N/A
UV Absorbance @ 286nm		1.00	0.53	N/A
UV Absorbance @ 288nm		0.50	0.32	N/A
UV Absorbance @ 293nm		0.20	0.18	N/A
UV Absorbance @ 300nm		0.10	0.09	N/A
UV Absorbance @ 310nm		0.05	0.04	
UV Absorbance @ 335nm		0.02	0.01	
UV Absorbance @ 350nm		0.01	0.00	
UV Absorbance @ 400nm		0.01	0.00	