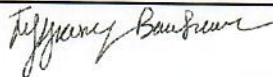


**Product Name** TOLUENE, HPLC  
**Grade** GENERAL USE HPLC-UV  
**Catalog #** 34700HPLC  
**Lot #** C20L23DRM0000TOL  
**Date of Manufacture:** 01/14/21  
**Recommended Retest Date:** Five Years From Date of Manufacture

TEST	SPECIFICATION	RESULT
Assay (GC), corrected for water	99.7% min.	99.94%
Color (APHA)	10 max.	2
Appearance	Clear Liquid	Pass
Residue after Evaporation	10 ppm max.	0 ppm
Substances darkened by H <sub>2</sub> SO <sub>4</sub>	To Pass Test	Pass
Sulfur Compounds (S)	0.003% max.	< 0.001%
Water	0.03% max.	< 0.01%
Benzene	0.03% max.	None Detected
C8 Aromatics	Per Lot	0.02%
Non - Aromatics	Per Lot	0.04%
Specific Gravity @ 60°F	0.869 - 0.873	0.872
UV Absorbance @ 286 nm	1.00 max	0.56
288 nm	0.50 max	0.34
293 nm	0.20 max	0.19
300 nm	0.10 max	0.10
310 nm	0.05 max	0.05
335 nm	0.02 max	0.01
350 nm	0.01 max	0.01
400 nm	0.01 max	0.00
Boiling Range within 2.0°C, inc. 110.6°	To Pass Test	Pass

#### 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 not derived, nor does it come in contact with, any materials derived from bovine or other animal sources.
This product is for further commercial manufacturing, laboratory or research use, and may be used as an excipient or a process solvent for pharmaceutical purposes. 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.



Approved by: T. Boudreau, Quality Control Chemist      Date of Approval: 01/14/21