

Certificate of Analysis

 Product
 Toluene
 Batch No.
 : 21 06 0033

 Grade
 HPLC
 Manufacturing date
 : 03/06/2021

 Code No.
 LC1347
 Best before
 : 06/2025

Items	Descriptions	Specifications	Test Results
1	Assay (by GC.)	99.8% min.	99.8%
2	Appearance	Clear and colorless liquid	Clear and colorless liquid
3	Identity (IR)	Passes test	Passes test
4	Color (APHA)	10 max.	< 10
5	Water (by Coulometry)	0.01% max.	0.006%
6	Acidity (mEq./g.)	0.0002 max.	< 0.0002
7	Alkalinity (mEq./g.)	0.0004 max.	< 0.0004
8	Residue on Evaporation	0.0005% max.	< 0.0005%
9	Sulfur Compounds (S)	0.003% max.	< 0.003%
10	Substances darkened by sulfuric acid	Passes test	Passes test
11	UV Transmission Levels (%T)		
	350 nm	99% min.	99.9%
	330 nm	98% min.	98.9%
	310 nm	90% min.	97.2%
	300 nm	80% min.	93.6%
	290 nm	50% min.	81.4%
12	Fluorescence (as quinine)		
	at 365 nm	2 ppb max.	< 2 ppb

Product passed through 0.2 micron final filter.

This is to certify the above batch has been tested and complies with this specification.