

Certificate of Analysis

Product	Chloroform	Batch No.	: 21 05 0356
Grade	HPLC	Manufacturing date	: 31/05/2021
Code No.	LC1027E	Best before	: 05/2025

Items	Descriptions	Specifications		Test Results
1	Assay (by GC.)	99.8%	min.	99.9%
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.	0.005%
6	Acidity (mEq./g.)	0.0005	max.	< 0.0005
7	Alkalinity (mEq./g.)	0.0002	max.	< 0.0002
8	Residue on Evaporation	0.0003%	max.	< 0.0003%
9	Acetone and Aldehyde	Passes test		Passes test
10	Acid and Chloride	Passes test		Passes test
11	Free Chlorine (Cl)	0.0005%	max.	< 0.0005%
12	Substances darkened by sulfuric acid	Passes test		Passes test
13	Suitability for use in dithizone tests	Passes test		Passes test
14	Lead (Pb)	0.05 ppm	max.	< 0.05 ppm
15	UV Transmission Levels (%T)			
	280 nm	99%	min.	99.7%
	270 nm	98%	min.	98.9%
	260 nm	85%	min.	92.0%
	250 nm	50%	min.	52.8%
16	Fluorescence (as quinine)			
	at 254 nm	1 ppb	max.	< 1 ppb
	at 365 nm	1 ppb	max.	< 1 ppb

Stabilized with about 1% ethanol.

Product passed through 0.2 micron final filter.

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

Ladaphan

Chemist

Achan

Technical Manager