

## Certificate of Analysis

<b>Product</b>	Chloroform	<b>Batch No.</b>	: 21 06 0233
<b>Grade</b>	HPLC	<b>Manufacturing date</b>	: 19/06/2021
<b>Code No.</b>	LC1027E	<b>Best before</b>	: 06/2025

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.	0.006%
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.	99.9%
	270 nm	98% min.	99.0%
	260 nm	85% min.	92.4%
	250 nm	50% min.	54.6%
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