

## Certificate of Analysis

<b>Product</b>	Chloroform	<b>Batch No.</b>	: 21 06 0236
<b>Grade</b>	RCI Premium	<b>Manufacturing date</b>	: 25/06/2021
<b>Code No.</b>	RP1027E	<b>Best before</b>	: 06/2025

Items	Descriptions	Specifications	Test Results
1	Assay (by GC.)	99.8% min.	99.9%
2	Identity (IR)	Passes test	Passes test
3	Appearance	Clear	Clear
4	Color (APHA)	10 max.	< 10
5	Water (by Coulometry)	0.02% max.	0.005%
6	Acidity (mEq./g.)	0.0005 max.	< 0.0005
7	Residue on Evaporation	0.0005% max.	< 0.0005%
8	Carbon tetrachloride (GC.)	0.01% max.	< 0.01%
9	Dichloromethane (GC.)	0.01% max.	< 0.01%
10	Ethanol (GC.)	0.6 - 1.0%	0.6 - 1.0%
11	Related Substances (GC.)	0.7% max.	< 0.7%
12	Tetrachloroethylene (GC.)	0.01% max.	< 0.01%
13	Trichloroethylene (GC.)	0.01% max.	< 0.01%
14	Acid and Chloride	Passes test	Passes test
15	Aldehydes and ketones (as C <sub>3</sub> H <sub>6</sub> O)	0.001% max.	< 0.001%
16	Carbonyl compounds (as CO)	0.005% max.	< 0.005%
17	Chloride (Cl)	0.00002% max.	< 0.00002%
18	Free acid (as HCl)	0.0002% max.	< 0.0002%
19	Free Chlorine (Cl)	0.00003% max.	< 0.00003%
20	Readily carbonizable substances	Passes test	Passes test
21	Suitability for use in dithizone tests	Passes test	Passes test
22	Aluminium (Al)	0.5 ppm max.	< 0.5 ppm
23	Barium (Ba)	0.1 ppm max.	< 0.1 ppm
24	Boron (B)	0.02 ppm max.	< 0.02 ppm
25	Cadmium (Cd)	0.05 ppm max.	< 0.05 ppm
26	Calcium (Ca)	0.5 ppm max.	< 0.5 ppm
27	Chromium (Cr)	0.02 ppm max.	< 0.02 ppm
28	Cobalt (Co)	0.02 ppm max.	< 0.02 ppm
29	Copper (Cu)	0.02 ppm max.	< 0.02 ppm
30	Iron (Fe)	0.1 ppm max.	< 0.1 ppm
31	Lead (Pb)	0.05 ppm max.	< 0.05 ppm
32	Magnesium (Mg)	0.1 ppm max.	< 0.1 ppm
33	Manganese (Mn)	0.02 ppm max.	< 0.02 ppm
34	Molybdenum (Mo)	0.02 ppm max.	< 0.02 ppm
35	Nickel (Ni)	0.02 ppm max.	< 0.02 ppm
36	Tin (Sn)	0.1 ppm max.	< 0.1 ppm
37	Zinc (Zn)	0.1 ppm max.	< 0.1 ppm

Stabilized with about 1% ethanol.

Meet A.C.S. Specifications.

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

Ladaphan

Chemist

Achan

Technical Manager