

Certificate of Analysis

Product	Chloroform	Batch No.	: 21 06 0235
Grade	RCI Premium	Manufacturing date	: 25/06/2021
Code No.	RP1027E	Best before	: 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 ₃ H ₆ 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