

Certificate of Analysis

Product	Acetic Acid, Glacial	Batch No.	: 21 05 0083
Grade	RCI Premium	Manufacturing date	: 22/05/2021
Code No.	RP1002	Best before	: 05/2025

Items	Descriptions	Specifications	Test Results
1	Assay (by acidimetry)	99.7% min.	99.8% (w/w)
2	Color (APHA)	10 max.	< 10
3	Titration base (mEq./g.)	0.0004 max.	< 0.0004
4	Residue after Evaporation	0.0005% max.	< 0.0005%
5	Dilution in water	Passes test	Passes test
6	Solubility in water	Passes test	Passes test
7	Substances Reducing Dichromate	Passes test	Passes test
8	Substances Reducing Permanganate	Passes test	Passes test
9	Acetic Anhydride [(CH ₃ CO) ₂ O]	0.01% max.	< 0.01%
10	Acetaldehyde	0.005% max.	< 0.005%
11	Chloride (Cl)	0.00005% max.	< 0.00005%
12	Sulfate (SO ₄)	0.00005% max.	< 0.00005%
13	Heavy Metals (as Pb)	0.00005% max.	< 0.00005%
14	Aluminium (Al)	0.00001% max.	< 0.00001%
15	Arsenic and Antimony (as As)	0.000001% max.	< 0.000001%
16	Barium (Ba)	0.00005% max.	< 0.00005%
17	Boron (B)	0.00001% max.	< 0.00001%
18	Cadmium (Cd)	0.000002% max.	< 0.000002%
19	Calcium (Ca)	0.00003% max.	< 0.00003%
20	Cobalt (Co)	0.000001% max.	< 0.000001%
21	Chromium (Cr)	0.00002% max.	< 0.00002%
22	Copper (Cu)	0.000002% max.	< 0.000002%
23	Gold (Au)	0.00003% max.	< 0.00003%
24	Iron (Fe)	0.00002% max.	< 0.00002%
25	Lead (Pb)	0.000002% max.	< 0.000002%
26	Magnesium (Mg)	0.00001% max.	< 0.00001%
27	Manganese (Mn)	0.000001% max.	< 0.000001%
28	Molybdenum (Mo)	0.000002% max.	< 0.000002%
29	Nickel (Ni)	0.000002% max.	< 0.000002%
30	Potassium (K)	0.00003% max.	< 0.00003%
31	Sodium (Na)	0.00003% max.	< 0.00003%
32	Strontium (Sr)	0.000001% max.	< 0.000001%
33	Tin (Sn)	0.00001% max.	< 0.00001%
34	Titanium (Ti)	0.00003% max.	< 0.00003%
35	Zinc (Zn)	0.00001% max.	< 0.00001%

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