

Certificate of Analysis

Product	Acetic Acid, Glacial	Batch No.	: 21 05 0184
Grade	Pharma.	Manufacturing date	: 20/05/2021
Code No.	BP1002	Best before	: 05/2025

Items	Descriptions	Specifications	Test Results
1	Assay (by acidimetry)	99.8% min.	99.9% (w/w)
2	Appearance	Clear and colorless	Clear and colorless
3	Identity	Passes test	Passes test
4	Color (APHA)	10 max.	< 10
5	Dilution test	Passes test	Passes test
6	Solubility	Passes test	Passes test
7	Titration base (mEq./g.)	0.0004 max.	< 0.0004
8	Acetic Anhydride [(CH ₃ CO) ₂ O]	0.01% max.	< 0.01%
9	Residue on Evaporation	0.001% max.	< 0.001%
10	Substances reducing dichromate	Passes test	Passes test
11	Substances reducing permanganate	Passes test	Passes test
12	Chloride (Cl)	0.5 ppm max.	< 0.5 ppm
13	Sulfate (SO ₄)	0.5 ppm max.	< 0.5 ppm
14	Heavy metals (as Pb)	0.5 ppm max.	< 0.5 ppm
15	Arsenic (As)	0.01 ppm max.	< 0.01 ppm
16	Iron (Fe)	0.2 ppm max.	< 0.2 ppm
17	Freezing point (°C)	16.0 min.	16.4

Meets Ph.Eur, USP, JP, ACS

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

Ladaphan

Chemist

Achan

Technical Manager