

Certificate of Analysis

Product Acetic Acid, Glacial

Grade Pharma

Code No. BP1002

Batch No. : 25 10 0310

Manufacturing date : 27/10/2025

Best before : 10/2029

Items	Descriptions	References	Specifications	Test Results
1	Assay (by acidimetry)	Ph.Eur, BP, USP, JP, ACS	99.8 - 100.0%	99.9% (w/w)
2	Appearance	Ph.Eur, BP, JP, ACS	Clear and colorless	Clear and colorless
3	Identity	Ph.Eur, BP, USP, JP	Passes test	Passes test
4	Color (APHA)	ACS	10 max.	< 10
5	Dilution test	ACS	Passes test	Passes test
6	Solubility	Ph.Eur, BP, JP, ACS	Passes test	Passes test
7	Titration base (mEq./g.)	ACS	0.0004 max.	< 0.0004
8	Acetic Anhydride [(CH ₃ CO) ₂ O]	ACS	0.01% max.	< 0.01%
9	Residue on Evaporation	Ph.Eur, BP, USP, JP, ACS	0.001% max.	< 0.001%
10	Substances reducing dichromate	ACS	Passes test	Passes test
11	Substances reducing permanganate	Ph.Eur, BP, USP, JP, ACS	Passes test	Passes test
12	Chloride (Cl)	Ph.Eur, BP, USP, JP, ACS	0.5 ppm max.	< 0.5 ppm
13	Sulfate (SO ₄)	Ph.Eur, BP, USP, JP, ACS	0.5 ppm max.	< 0.5 ppm
14	Heavy metals (as Pb)	Ph.Eur, USP, JP, ACS	0.5 ppm max.	< 0.5 ppm
15	Arsenic (As)		0.01 ppm max.	< 0.01 ppm
16	Iron (Fe)	Ph.Eur, BP, ACS	0.2 ppm max.	< 0.2 ppm
17	Freezing point (°C)	Ph.Eur, BP, USP, JP, ACS	16.0 min.	16.5

Meets Ph.Eur, BP, USP/NF, JP, ACS

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

Ladaphan.

Chemist

Achan.

Technical Manager