

**Acetic Acid Glacial**
**Grade:** USP/EP/BP/FCC

**Catalog number:** 281USP/EP/FCC

Test	Mono-graph	Specification	Typical Result
Identification Tests-General, Acetate	USP	Meets the Requirements	Pass
Identification A	EP/BP	A 100 g/L solution is strongly acid	Pass
Identification B	EP/BP	The solution gives reaction (b) of acetates.	Pass
Identification - Acetate	FCC	To Pass Test	Pass
Assay (CH <sub>3</sub> COOH)	USP	99.5 - 100.5 wt. %	100.2 %
Assay	EP/BP	99.0% m/m – 100.5% m/m	100.2 %
Assay (C <sub>2</sub> H <sub>4</sub> O <sub>2</sub> )	FCC	99.5 - 100.5 wt. %	100.2 %
Limit of Nonvolatile Residue	USP	The weight of the residue does not exceed 1.0 mg.	LT 1 mg
Residue on evaporation	EP/BP	The residue weighs a maximum of 2.0 mg	LT 1 mg
Nonvolatile Residue	FCC	NMT 0.005%	LT 0.005%
Chloride and Sulfate, Chloride	USP	No opalescence is produced	Pass
Chlorides	EP/BP	Maximum 25 mg/L	LT 25 mg/L
Chloride and Sulfate, Sulfate	USP	No turbidity is produced	Pass
Sulfates	EP/BP	Maximum 50 mg/L	LT 50 mg/L
Readily Oxidizable Substances	USP	The pink color is not changed to brown within 2h.	Pass
Reducing substances	EP/BP	The colour remains pink.	Pass
Readily Oxidizable Substances	FCC	The pink color does not change to brown within 2h.	Pass
Congealing Temperature	USP	NLT 15.6°C	16.3

Test	Mono-graph	Specification	Typical Result
Freezing point	EP/BP	Minimum 14.8°C	16.3
Solidification Point	FCC	NLT 15.6°C	16.3
Appearance	EP/BP	The substance to be examined is clear and colourless.	Pass
Iron	EP/BP	Maximum 5 ppm	Pass
Lead	FCC	NMT 0.5 mg/kg	Pass

### Certification and Compliance Statements

This product complies with all of the current requirements listed in the United States Pharmacopeia, European Pharmacopoeia, British Pharmacopeia, and Food Chemical Codex monographs.

This product is not derived, nor does it come in contact with, any materials derived from bovine or other animal sources.

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