



## CERTIFICATE OF ANALYSIS

**Product: Glacial Acetic Acid, Extra pure grade**

**Order No.: 201.06.01000.02**

**Batch No/Lot No:** 201.06.02-D21.21

**Quantity:** 1 Lit

**Date of Production:** 21/04/2021

**Retest Date:** 21/04/2023

Row	Test Item	Specification	Results	Reference
1	Description	Clear, colorless liquid, having a pungent characteristic odor and when well diluted with water, and acid taste.	<b>Conforms</b>	USP40
2	Solubility	Miscible with water, with alcohol & with glycerin.	<b>Conforms</b>	USP40
3	Identification (Acetate)	With neutral solutions of acetates, ferric chloride TS produces a red color that is destroyed by the addition of mineral acids.	<b>Conforms</b>	USP40 <191>
4	Nonvolatile residue	N.M.T 1.0 mg	<b>0.0</b>	USP40
5	Chloride	No opalescence is produced.	<b>Conforms</b>	USP40 <221>
6	Sulfate	No turbidity is produced.	<b>Conforms</b>	USP40 <221>
7	Heavy metals	N.M.T 5 ppm	<b>&lt; 5</b>	USP38 <231>
8	Readily oxidizable substances	The pink color is not changed to brown within 2 h.	<b>Conforms</b>	USP40
9	Assay	Between 99.5 – 100.5 % by weight of C <sub>2</sub> H <sub>4</sub> O <sub>2</sub>	<b>100.0</b>	USP40

**QC. Manager:** Ms. Iravani

**Status:**

**QC Approved**

**Qualified Person:** Dr. Mojallali

**Date:** 24.04.2021

**Document code :** QC.PC.WIN.004/COA.03

