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Plot no. 1116/P, Lamadapura Road,  
Manjusar – 391 775,  
Ta- Savli, Dist. Vadodara, Gujarat, India

**Quality Control**

**Standard Test Specifications**

**Title: Citric Acid Monohydrate ACS**

**Page No.: 1 of 3**


Specification No.:	Revision No.:	Effective Date	Review Date
ACPL/FP/SP/003	00	17/07/2021	16/07/2024
Change Control No.	NA		

Prepared By: 

Date: 14/07/2021

Name : Pankaj Patel

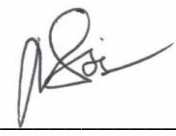
(QC Officer / Designee)

Reviewed By: 

Date: 15/07/2021

Name : Nilesh Shah

(Unit Head / Designee)

Approved By: 

Date: 16/07/2021

Name : Naresh Solanki

(QA/QC In Charge / Designee)

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**1.0 SAMPLING LEVEL :**

As mentioned in the “Sampling procedure” SOP.

**2.0 SAMPLING METHOD TO BE FOLLOWED:**

100% sampling to be done from each container.

**3.0 TOTAL COMPOSITE SAMPLE TO BE COLLECTED:**

100 gm

**4.0 EXPIRY :**

Five years from the Date of Manufacturing.

**5.0 CAS No: 5949-29-1**

**6.0 MOLECULAR FORMULA:**  $C_6H_8O_7 \cdot H_2O$

**7.0 MOLECULAR WEIGHT:** 210.1 gm/mol.

**8.0 CATEGORY:** Pharmaceutical aid.

**9.0 STORAGE:** Store protected from moisture.

**10.0 SAFETY PRECAUTIONS TO BE TAKEN WHILE SAMPLING AND HANDLING:**

Use hand gloves, goggles and apron during Handling.

**11.0 CONTROL SAMPLE:** 3 X 100gm.

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**TEST PARAMETERS AND SPECIFICATIONS****REF: ACS**

Sr. No.	TEST PARAMETER	SPECIFICATION
1.	Description	White or almost white, crystalline powder, colorless crystals or granules, efflorescent.
2.	Solubility	Very soluble in water
3.	Insoluble matter	Max. 50 ppm
4.	Residue after ignition	Max. 200 ppm
5.	Chloride as Cl	Max. 10 ppm
6.	Oxalate as C <sub>2</sub> O <sub>4</sub>	To Pass test
7.	Phosphate as PO <sub>4</sub>	Max. 10 ppm
8.	Sulphate as SO <sub>4</sub>	Max. 20 ppm
9.	Iron as Fe	Max. 3 ppm
10.	Lead as Pb	Max.2 ppm
11.	Substances Carbonizable by hot sulfuric acid	To Pass test
12.	Assay (By acid – base titrimetry)	Min. 99% and Max. 102%

**REVISION HISTORY:**

Revision No.	Effective Date	Revision Description	Change Control No.
00	17/07/2021	First Issuance	N A

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