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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 AR**

**Page No.: 1 of 3**

**Specification No.:**  
ACPL/FP/SP/003

**Revision No.:**  
00

**Effective Date**  
17/07/2021

**Review Date**  
16/07/2024

**Change Control No.**


NA

Prepared By: 

Date: 14/07/2021

Name : Pankaj Patel

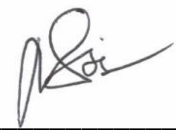
(QC Officer / Designee)

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.**UNCONTROLLED COPY****Format No.** QC/017/F/01-00**Certified By (Sign/Date) :**  17/07/2021

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**TEST PARAMETERS AND SPECIFICATIONS****REF: AR**

Sr. No.	TEST PARAMETER	SPECIFICATION
1.	Description	White or almost white, crystalline powder, colorless crystals or granules, efflorescent.
2.	Solubility	Very soluble in water, freely soluble in ethanol (96 %).
3.	Residue after ignition	Max. 200 ppm
4.	Chloride as Cl	Max. 10 ppm
5.	Sulphate as SO <sub>4</sub>	Max. 20 ppm
6.	Oxalate as C <sub>2</sub> O <sub>4</sub>	Max. 500 ppm
7.	Arsenic as As	Max. 1 ppm
8.	Barium as Ba	Max. 20 ppm
9.	Calcium as Ca	Max. 200 ppm
10.	Copper as Cu	Max. 10 ppm
11.	Iron as Fe	Max. 5 ppm
12.	Heavy Metal as Pb	Max. 5 ppm
13.	Zinc as Zn	Max. 10 ppm
14.	Sulphated ash	Max. 0.05%
15.	Water by KF	7.5 % – 9.0%
16.	Assay (By acid – base titrimetry)	Min. 99.5 % to Max. 101.5%

**REVISION HISTORY:**

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

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