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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 Anhydrous IP

Page No.: 1 of 4

Specification No.:
ACPL/FP/SP/023


Revision No.:
00

Effective Date
16/07/2021

Review Date
15/07/2024

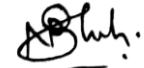
Change Control No.

NA

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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: 77-92-9**6.0 MOLECULAR FORMULA:** C₆H₈O₇.**7.0 MOLECULAR WEIGHT:** 192.1 gm/mol.**8.0 CATEGORY:** Pharmaceutical aid; anticoagulant for storage of whole blood (along with sodium citrate).**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) :**  16/07/2021

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TEST PARAMETERS AND SPECIFICATIONS**REF: IP**

Sr. No.	TEST PARAMETER	SPECIFICATION
1.	Description	Colorless crystals or a white powder; slightly hygroscopic in moist air.
2.	Identification A Compare the spectrum with that obtained with citric acid or with the reference spectrum of citric acid.	To pass test
	Identification B It gives reaction A of citrates	To pass test
	Identification C A 10 percent w/v solution is strongly acidic.	To pass test
3.	Appearance of Solution	Dissolve 2.0g in sufficient water to produce 10 ml. The solution is Clear, and not more intensely colored than reference solution YS ₇ , BYS ₇ or GYS ₇ .
4.	Arsenic (As)	Max. 1 ppm
5.	Barium (Ba)	To Pass test
6.	Calcium (Ca)	Max. 200 ppm
7.	Heavy Metals	Max. 10 ppm
8.	Iron (Fe)	Max. 50 ppm
9.	Chloride (Cl)	Max. 50 ppm
10.	Sulfate (SO ₄)	Max. 150 ppm

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11.	Oxalic acid	To Pass test
12.	Readily carbonisable substances	To pass test
13.	Sulfated Ash	Max. 0.1 %
14.	Water	Max. 1.0 %
15.	Assay (dried basis)	99.0% - 101.0 %

REVISION HISTORY:

Revision No.	Effective Date	Revision Description	Change Control No.
00	16/07/2021	First Issuance	N A

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