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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: Sodium Citrate Dihydrate JP


Page No.: 1 of 3

Specification No.:	Revision No.:	Effective Date	Review Date
ACPL/FP/SP/011	00	31/08/2021	30/08/2024
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: 6132-04-3**6.0 MOLECULAR FORMULA:** $C_6H_5Na_3O_7 \cdot 2H_2O$.**7.0 MOLECULAR WEIGHT:** 294.1gm/mol.**8.0 CATEGORY:** Systemic alkalinising substance..**9.0 STORAGE:** In an airtight container.**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) :**  31/08/2021

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TEST PARAMETERS AND SPECIFICATIONS**REF: JP**

Sr. No.	TEST PARAMETER	SPECIFICATION
1.	Description	Colorless crystals or a white crystalline powder. It is odorless.
2.	Solubility	Freely soluble in water, and practically insoluble in ethanol (95 %) and in diethyl ether.
3.	Identification Qualitative Tests for citrate and for sodium salt.	To pass test
4.	pH(5 % Solution)	7.5 to 8.5
5.	Appearance of Solution	Clear and Colorless
6.	Chlorides (Cl)	Max. 150 ppm
7.	Sulfates (SO ₄)	Max. 480 ppm
8.	Heavy Metal	Max. 10 ppm
9.	Arsenic (As)	Max. 2 ppm
10.	Tartrate	To Pass test
11.	Oxalates	To Pass test
12.	Readily carbonisable substances	To Pass test
13.	Loss on drying	10.0 % to 13.0 %
14.	Assay% (Dried Basis)	99.0 % to 101.0 %

REVISION HISTORY:

Revision No.	Effective Date	Revision Description	Change Control No.
00	31/08/2021	First Issuance	N A

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