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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 ACS


Page No.: 1 of 3

Specification No.:	Revision No.:	Effective Date	Review Date
ACPL/FP/SP/011	00	30/08/2021	29/08/2024
Change Control No.	NA		

Prepared By: 

Date: 26/08/2021

Name : Pankaj Patel  
(QC Officer / Designee)

Reviewed By: 

Date: 27/08/2021

Name : Nilesh Shah  
(Unit Head / Designee)

Approved By: 

Date: 28/08/2021

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 RETEST DATE:** Three year**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 alkalizing 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) :**  30/08/2021

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

<b>Sr. No.</b>	<b>TEST PARAMETER</b>	<b>SPECIFICATION</b>
1.	Description	White or almost white, crystalline powder
2.	Solubility	Soluble in water
3.	pH of a 5% solution at 25°C	7.0 to 9.0
4.	Insoluble Matter	Max. 50 ppm
5.	Chloride as Cl	Max. 30 ppm
6.	Sulphate as SO <sub>4</sub>	Max. 50 ppm
7.	Ammonia as NH <sub>3</sub>	Max. 30 ppm
8.	Calcium as Ca	Max. 50 ppm
9.	Heavy Metals (Pb)	Max. 5 ppm
10.	Iron as Fe	Max. 5 ppm
11.	Assay	Min 99.0 %

**REVISION HISTORY:**

<b>Revision No.</b>	<b>Effective Date</b>	<b>Revision Description</b>	<b>Change Control No.</b>
00	30/08/2021	First Issuance	N A

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