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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: Tri Sodium Phosphate Dodecahydrate ACS**

**Page No.:** 1 of 3

**Specification No.:**  
ACPL/FP/SP/049

**Revision No.:**  
00

**Effective Date**  
15/09/2021

**Review Date**  
14/09/2024


**Change Control No.**

NA

Prepared By: 

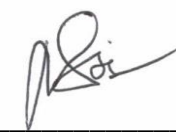
Date: 11/09/2021

Name : Pankaj Patel  
(QC Officer / Designee)

Reviewed By: 

Date: 13/09/2021

Name : Nilesh Shah  
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Approved By: 

Date: 14/09/2021

Name : Naresh Solanki  
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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 :** One year

**5.0 CAS No:** 10101-89-0

**6.0 MOLECULAR FORMULA:**  $\text{Na}_3\text{PO}_4 \cdot 12\text{H}_2\text{O}$

**7.0 MOLECULAR WEIGHT:** 380.12 g/mol.

**8.0 CATEGORY:** Excipient.

**9.0 STORAGE:** Preserve in tight containers.

**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 100 gm.

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

Sr. No.	TEST PARAMETER	SPECIFICATION
1.	Description	White or almost white powder, hygroscopic.
2.	SOLUBILITY	Soluble in water
3.	Free Alkali	Max. 2.5 %
4.	Chloride as Cl	Max. 10 ppm
5.	Sulphate as SO <sub>4</sub>	Max. 100 ppm
6.	Iron as Fe	Max. 10 ppm
7.	Water Insoluble Matter	Max. 100 ppm
8.	Heavy Metal	Max. 10 ppm
9.	Assay %	Min. 98.0 % to Max. 102.0 %

**REVISION HISTORY:**

Revision No.	Effective Date	Revision Description	Change Control No.
00	15/09/2021	First Issuance	N A

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