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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 Food Grade**

**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: 

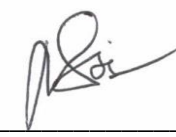
Date: 11/09/2021

Name : Pankaj Patel  
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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: FOOD GRADE**

Sr. No.	TEST PARAMETER	SPECIFICATION
1.	Description	White or almost white powder, hygroscopic.
2.	Solubility	Soluble in water
3.	Identification Test For Sodium and Phosphate	To Pass test
4.	Loss on Ignition	Between 45.0 % and 57.0 %
5.	Insoluble Substances	Max. 0.2 %
6.	Arsenic	Max. 3 ppm
7.	Heavy Metal	Max. 10 ppm
8.	Assay (On Ignited Basis)	Min. 92.0 %

**REVISION HISTORY:**

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

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15/09/2021