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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: Di Potassium Hydrogen Phosphate USP**

**Page No.:** 1 of 3

**Specification No.:**  
ACPL/FP/SP/004

**Revision No.:**  
00

**Effective Date**  
23/07/2021

**Review Date**  
22/07/2024

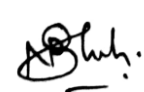
**Change Control No.**

NA

Prepared By: 

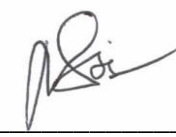
Date: 20/07/2021

Name : Pankaj Patel  
(QC Officer / Designee)

Reviewed By: 

Date: 21/07/2021

Name : Nilesh Shah  
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Date: 22/07/2021

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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:** 7758-11-4**6.0 MOLECULAR FORMULA:**  $K_2HP0_4$ **7.0 MOLECULAR WEIGHT:** 174.2gm/mol.**8.0 CATEGORY:** Excipients.**9.0 STORAGE:** Preserve in well-closed 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 100gm.**UNCONTROLLED COPY****Format No.** QC/017/F/01-00**Certified By (Sign/Date) :**  23/07/2021

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**TEST PARAMETERS AND SPECIFICATIONS****REF: USP**

Sr. No.	TEST PARAMETER	SPECIFICATION
1.	Appearance	White or almost white powder or colorless crystals, very hygroscopic.
2.	<b>Identification A</b> Test For Potassium	To pass test
	<b>Identification B</b> Test for Phosphates	To Pass test
3.	Assay (dried basis)	98.0% - 100.5%
4.	Insoluble Substances	Max. 0.2 %
5.	Carbonate	NMT a few bubbles are evolved.
6.	Chlorides	Max. 300 ppm
7.	Sulphate	Max. 1000 ppm
8.	Arsenic	Max. 3 ppm
9.	Iron	Max. 30 ppm
10.	Limit of Fluoride	Max. 10 ppm
11.	Limit of Monobasic or Tribasic Salt	To Pass test
12.	pH	8.5 - 9.6
13.	Loss on drying	Max 1.0 %

**REVISION HISTORY:**

Revision No.	Effective Date	Revision Description	Change Control No.
00	23/07/2021	First Issuance	NA

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