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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: Potassium Citrate Monohydrate IP**

**Page No.:** 1 of 3

**Specification No.:**  
ACPL/FP/SP/036

**Revision No.:**  
00

**Effective Date**  
17/08/2021

**Review Date**  
16/08/2024


**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:** 6100-05-6**6.0 MOLECULAR FORMULA:**  $C_6H_5K_3O_7 \cdot H_2O$ **7.0 MOLECULAR WEIGHT:** 324.4 gm/mol.**8.0 CATEGORY:** Systemic alkaliser.**9.0 STORAGE:** Store protected from moisture.**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.**UNCONTROLLED COPY****Format No.** QC/017/F/01-00**Certified By (Sign/Date) :**

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**TEST PARAMETERS AND SPECIFICATIONS****REF: IP**

Sr. No.	TEST PARAMETER	SPECIFICATION
1.	Appearance	White, granular crystals or a crystalline powder; odourless; hygroscopic.
2.	Solubility	Very soluble in water, practically insoluble in ethanol (96 %).
3.	<b>Identification A</b> A gives the of potassium salts <b>Identification B</b> The solution gives the reactions of citrates.	To Pass test  To Pass test
4.	Appearance of Solution	The solution is clear and colorless
5.	Acidity or alkalinity	Not more than 0.2 mL of 0.1 M hydrochloric add or 0.1 M sodium hydroxide is required to change the colour of the indicator.
6.	Arsenic	Max. 2 ppm
7.	Heavy metals	Max. 10 ppm
8.	Sodium	Max. 0.3 %
9.	Chloride	Max. 100 ppm
10.	Oxalates	Max. 300 ppm
11.	Sulfates	Max. 150 ppm
12.	Readily carbonisable substances	The solution is not more intensely colored than reference solution YS2 or GYS2.
13.	Water	4.0 % to 7.0 %
14.	Assay % (Dried substance)	99.0 % - 101.0 %

**REVISION HISTORY:**

Revision No.	Effective Date	Revision Description	Change Control No.
00	17/08/2021	First Issuance	N A

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