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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 EP

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

Prepared By: _____

Date: 13/08/2021

Name : Pankaj Patel
(QC Officer / Designee)

Reviewed By: _____

Date: 14/08/2021

Name : Nilesh Shah
(Unit Head / Designee)

Approved By: _____

Date: 16/08/2021

Name : Naresh Solanki
(QA/QC In Charge / Designee)

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Quality Control**Standard Test Specifications****Title: Potassium Citrate Monohydrate EP****Page No.: 2 of 3****Specification No.:**
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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:** 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 100 gm.**UNCONTROLLED COPY****Format No.** QC/017/F/01-00**Certified By (Sign/Date) :**

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TEST PARAMETERS AND SPECIFICATIONS**REF: EP**

Sr. No.	TEST PARAMETER	SPECIFICATION
1.	Appearance	White or almost white, granular powder or transparent crystals, hygroscopic.
2.	Solubility	Very soluble in water, practically insoluble in ethanol (96 %).
3.	Identification A The solution gives the reaction of citrates Identification B solution S gives reaction (b) of potassium	To Pass test To Pass test
4.	Appearance of Solution	The solution is clear and colorless
5.	pH	7.5 to 9.0.
6.	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.
7.	Readily carbonisable substances	The solution is not more intensely colored than reference solution Y ₂ or GY ₂ .
8.	Chloride	Max. 50 ppm
9.	Oxalates	Max. 300 ppm
10.	Sulfates	Max. 150 ppm
11.	Sodium	Max. 0.3 %
12.	Water	4.0 % to 7.0 %
13.	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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