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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 Chloride EP

Page No.: 1 of 3

Specification No.:

ACPL/FP/SP/035

Revision No.:

00

Effective Date

16/08/2021

Review Date

15/08/2024

Change Control No.

NA

Prepared By: Patel

Date: 12/08/2021

Name : Pankaj Patel

(QC Officer / Designee)

Reviewed By: Shah

Date: 13/08/2021

Name : Nilesh Shah

(Unit Head / Designee)

Approved By: Solanki

Date: 14/08/2021

Name : Naresh Solanki

(QA/QC In Charge / Designee)

Format No. QC/017/F/01-00

Certified By (Sign/Date) : Solanki 16/08/2021

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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: 7447-40-7

6.0 MOLECULAR FORMULA: KCl

7.0 MOLECULAR WEIGHT: 74.6 gm/mol.

8.0 CATEGORY: Used in prevention and treatment of potassium deficiency and electrolyte imbalance.

9.0 STORAGE: In a non-metallic, 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 100gm.

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TEST PARAMETERS AND SPECIFICATIONS

REF: EP

Sr. No.	TEST PARAMETER	SPECIFICATION
1.	Appearance	White or almost white, crystalline powder or colorless crystals.
2.	Solubility	Freely soluble in water, practically insoluble in anhydrous ethanol.
3.	Identification A Give reaction of Chloride Identification B Solution S gives the reactions of potassium	To pass test To pass test
4.	Appearance of Solution	Solution is clear & colorless
5.	Acidity or Alkalinity	NMT 0.5 ml of 0.01M HCl / NaOH
6.	Bromides	Max. 0.1 %
7.	Iodides	To pass test
8.	Sulfates	Max. 300 ppm
9.	Aluminium	Max. 1.0 ppm
10.	Barium (Ba)	To pass test
11.	Iron (Fe)	Max. 20 ppm
12.	Magnesium and alkaline-earth metals (as Ca)	Max. 200 ppm
13.	Sodium	Max. 0.1 %
14.	Loss on drying (105°C for 3 hr.)	Max. 1.0 %
15.	Assay(Dried basis)	99.0 % to 101.0 %

REVISION HISTORY:

Revision No.	Effective Date	Revision Description	Change Control No.
00	16/08/2021	First Issuance	N A

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