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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 Bi Carbonate BP

Page No.: 1 of 3

Specification No.:
ACPL/FP/SP/033

Revision No.:
00

Effective Date
11/08/2021

Review Date
10/08/2024

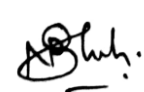
Change Control No.

NA

Prepared By: 

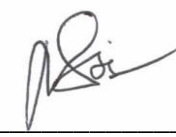
Date: 07/08/2021

Name : Pankaj Patel
(QC Officer / Designee)

Reviewed By: 

Date: 09/08/2021

Name : Nilesh Shah
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Approved By: 

Date: 10/08/2021

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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: 298-14-6

6.0 MOLECULAR FORMULA: KHCO_3

7.0 MOLECULAR WEIGHT: 100.12 gm/mol.

8.0 CATEGORY: Excipient.

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.

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TEST PARAMETERS AND SPECIFICATIONS**REF: BP**

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 ethanol (96 %)
3.	Identification A To 5 mL of solution S (see Tests) add 0.1 mL of phenolphthalein solution R. A pale pink colour is produced. Heat; gas is evolved and the colour becomes red. Identification B It gives the reaction of carbonates and bicarbonates. Identification C Gives reaction (b) of potassium.	To pass test To pass test To pass test
4.	Appearance of solution	clear and colorless
5.	Carbonates	Not greater than 8.6.
6.	Chlorides	Max. 150 ppm
7.	Sulfates	Max. 150 ppm
8.	Ammonium	Max. 20 ppm
9.	Calcium	Max. 100 ppm
10.	Iron	Max. 20 ppm
11.	Sodium	Max. 0.5 %
12.	Assay (dried basis)	99.0 - 101.0 %

REVISION HISTORY:

Revision No.	Effective Date	Revision Description	Change Control No.
00	11/08/2021	First Issuance	N A

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