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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: Sodium Bicarbonate EP**

**Page No.:** 1 of 3

**Specification No.:**  
ACPL/FP/SP/008

**Revision No.:**  
00

**Effective Date**  
28/06/2021

**Review Date**  
27/06/2024

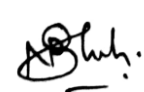
**Change Control No.**

NA

Prepared By: 


Date: 24/06/2021

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(QC Officer / Designee)

Reviewed By: 

Date: 25/06/2021

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Date: 26/06/2021

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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:** 144-55-8**6.0 MOLECULAR FORMULA:** NaHCO<sub>3</sub>.**7.0 MOLECULAR WEIGHT:** 84.0gm/mol.**8.0 CATEGORY:** Antacid; use in treatment of electrolyte deficiency.**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 100gm.**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 crystalline powder
2.	Solubility	Soluble in water, Practically insoluble in ethanol (96%)
3.	<b>Identification A</b> <b>Identification B</b> Give reaction of Carbonates and Bicarbonate <b>Identification C</b> Give reaction of Sodium salts	To pass test To pass test To pass test
4.	Appearance of Solution (5% Soln.)	Solution is clear & colorless
5.	Carbonate (pH of 5% Soln.)	NMT 8.60
6.	Chlorides (Cl)	Max. 150 ppm
7.	Sulfates (SO <sub>4</sub> )	Max. 150 ppm
8.	Ammonium (NH <sub>4</sub> )	Max. 20 ppm
9.	Arsenic (As)	Max. 2 ppm
10.	Calcium (Ca)	Max. 100 ppm
11.	Iron (Fe)	Max. 20 ppm
12.	Assay %	99.0 % to 101.0 %

**REVISION HISTORY:**

Revision No.	Effective Date	Revision Description	Change Control No.
00	28/06/2021	First Issuance	N A

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