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Plot no. 1116, Lamadapura Road,
Manjusar – 391 775,
Ta- Savli, Dist. Vadodara, Gujarat, India

Quality Control

Standard Test Specifications

Title: Sodium Bicarbonate IP

Page No.: 1 of 3

Specification No.:
ACPL/FP/SP/008

Revision No.:
00

Effective Date
24/06/2021

Review Date
23/06/2024


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: 144-55-8

6.0 MOLECULAR FORMULA:NaHCO₃

7.0 MOLECULAR WEIGHT: 84.0 gm/mol.

8.0 CATEGORY: Electrolyte replenisher; 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 100gm.

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TEST PARAMETERS AND SPECIFICATIONS**REF: IP**

Sr. No.	TEST PARAMETER	SPECIFICATION
1.	Description	A White Crestline powder
2.	Identification A	To pass test
	Identification B	To pass test
	Give reaction of Bicarbonate	
	Identification C	To pass test
	Give reaction of Sodium salts	
3.	Appearance of Solution (5% Soln.)	Solution is clear & colorless
4.	Arsenic (As)	Max. 2 ppm
5.	Calcium	Pass test
6.	Heavy metals	Max. 5 ppm
7.	Iron (Fe)	Max. 20 ppm
8.	Carbonate (pH of 5% Soln.)	NMT 8.60
9.	Chlorides (Cl)	Max. 200 ppm
10.	Sulphates (SO ₄)	Max. 150 ppm
11.	Assay (dried basis)	99.0 % – 101.0 %

REVISION HISTORY:

Revision No.	Effective Date	Revision Description	Change Control No.
00	24/06/2021	First Issuance	N A

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