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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: Calcium Carbonate EP

Page No.: 1 of 3

Specification No.:
ACPL/FP/SP/001

Revision No.:
00

Effective Date
01/07/2021

Review Date
30/06/2024


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: 471-34-1

6.0 MOLECULAR FORMULA: CaCO₃

7.0 MOLECULAR WEIGHT: 100.1 gm/mol.

8.0 CATEGORY: Antacid.

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: EP**

Sr. No.	TEST PARAMETER	SPECIFICATION
1.	Appearance	White or almost white powder
2.	Solubility	Practically insoluble in water
3.	Identification A Give reaction of Carbonates Identification B Give reaction of Calcium	To pass test To pass test
4.	Substances insoluble in acetic acid	Max. 0.2 %
5.	Chloride	Max. 330 ppm
6.	Sulfate (SO ₄)	Max. 0.25 %
7.	Arsenic (As)	Max 4 ppm
8.	Barium (Ba)	To pass test
9.	Iron (Fe)	Max. 200 ppm
10.	Magnesium and Alkali metals	Max. 1.5 %
11.	Loss on drying (200°C)	Max.2.0%
12.	Assay (dried basis)	98.5 - 100.5%

REVISION HISTORY:

Revision No.	Effective Date	Revision Description	Change Control No.
00	01/07/2021	First Issuance	N A

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