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

**Quality Control**

**Standard Test Specifications**

**Title: Calcium Carbonate USP**

**Page No.:** 1 of 3

**Specification No.:**  
ACPL/FP/SP/001

**Revision No.:**  
00

**Effective Date**  
01/07/2021

**Review Date**  
30/06/2024

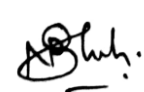
**Change Control No.**

NA

Prepared By: 


Date: 28/06/2021

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Reviewed By: 

Date: 29/06/2021

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Date: 30/06/2021

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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:** 471-34-1

**6.0 MOLECULAR FORMULA:**CaCO<sub>3</sub>

**7.0 MOLECULAR WEIGHT:** 100.09 gm/mol.

**8.0 CATEGORY:** Antacid, pharmaceutical aid (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: USP**

Sr. No.	TEST PARAMETER	SPECIFICATION
1.	Description	White or almost white powder
2.	<b>Identification A</b> Test for Calcium	To pass test
3.	Assay(dried basis)	98.0 % - 100.5 %
4.	Acid insoluble substance	NMT 0.2 %
5.	Arsenic (As)	NMT3 ppm
6.	Barium (Ba)	To pass test
7.	Iron (Fe)	NMT 0.1 %
8.	Lead(Pb)	NMT 3 ppm
9.	Limit of Fluoride	NMT50 ppm
10.	Limit of Magnesium and Alkali Salts	NMT 1.0 %
11.	Mercury	NMT0.5 ppm
12.	Loss on drying (200°C)	NMT2.0%

**REVISION HISTORY:**

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

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