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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 IP**

**Page No.:** 1 of 3

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

**Revision No.:**  
00

**Effective Date**  
23/06/2021

**Review Date**  
22/06/2024


**Change Control No.**

NA

Prepared By: 


Date: 19/06/2021

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Date: 21/06/2021

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Date: 22/06/2021

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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 :**

60 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:** 100.1 gm/mol.

**8.0 CATEGORY:** Antacid, pharmaceutical aid (excipient).

**9.0 STORAGE:** In a non-metallic, airtight container.

**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 fine, White microcrystalline powder
2.	Identification	To pass test
3.	Substances insoluble in acetic acid	Max. 0.2 %
4.	Arsenic (As)	Max 4 ppm
5.	Heavy metals (as Pb)	Max. 20 ppm
6.	Barium (Ba)	To pass test
7.	Iron (Fe)	Max. 200 ppm
8.	Magnesium and Alkali metals	Max. 1.0 %
9.	Chloride	Max. 250 ppm
10.	Sulfate (SO <sub>4</sub> )	Max. 0.3 %
11.	Loss on drying (200°C)	NMT2.0%
12.	Assay (dried basis)	98.0 - 100.5%

**REVISION HISTORY:**

Revision No.	Effective Date	Revision Description	Change Control No.
00	23/06/2021	First Issuance	N A

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