



**Bimal Pharma Pvt. Ltd., Mumbai, India**  
(ISO 9001 : 2015 & AEO T1 Certified Co.)

| <b>BIMAL PHARMA PVT. LTD.<br/>MUMBAI (INDIA)</b> | <b>FINISHED PRODUCT<br/>INFORMATION</b>                   |
|--------------------------------------------------|-----------------------------------------------------------|
| QUALITY CONTROL AND ASSURANCE                    | PRODUCT : CALCIUM CARBONATE, Granular<br><b>(DC 90 %)</b> |
| MSDS No.: BPPL 068<br>(Available on Request)     | SPECIFICATION No.: FP-068<br>(Enclosed)                   |

1. **NOMENCLATURE** : Carbonic Acid Calcium Salt  
: Calcite  
: Aragonite  
: Limestone
2. **CAS No.** : 471-34-1
3. **HSN CODE** : 28365000
4. **EMPIRICAL FORMULA** :  $\text{CaCO}_3$
5. **MOL. WT.** : 100.09
6. **STRUCTURAL FORMULA** : 
$$\left[ \text{Ca}^{2+} \right] \left[ \begin{array}{c} \text{O} \\ \vdots \\ \text{O}=\text{C}=\text{O} \\ \vdots \\ \text{O} \end{array} \right]^{2-}$$
7. **DESCRIPTION** : White Granules, Odorless
8. **APPLICATION IN** : Manufacturing of Capsules
9. **BULK DENSITY TAPPED** : Min. 0.95 gms/ml
10. **SHELF LIFE** : 5 Years

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- 1. DESCRIPTION** : White Granules, Odorless
- 2. SOLUBILITY** : Practically Insoluble in Water.  
Soluble in dilute HCl & Dilute Nitric Acid.
- 3. IDENTIFICATION** : Complies as per EP
- 4. SUBSTANCES INSOLUBLE  
IN ACETIC ACID (BP)** : NMT 0.2%
- 5. SUBSTANCES INSOLUBLE  
IN HCL (USP)** : NMT 0.2%
- 6. FLUORIDE (USP)** : NMT 0.005%
- 7. SULPHATE (EP)** : NMT 0.25%
- 8. BARIUM (EP)** : Must meet the requirement
- 9. HEAVY METALS (As Pb)** : NMT 20.0 ppm
- 10. IRON (BP)** : NMT 200 ppm
- 11. ARSENIC** : NMT 0.6 PPM
- 12. LEAD** : NMT 0.2 ppm
- 13. CADMIUM** : NMT 0.4 ppm

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**14. ASSAY**

**As CaCO<sub>3</sub> :** NLT 90.0%  
**As Ca :** NLT 36.0%

**15. MAGNESIUM AND  
ALKALI METALS**

**:** NMT 1.0%

**16. Sb + Cu + Cr + Zn + Ba :** NMT 100.0 ppm

**17. LOSS ON DRYING (BP) :** NMT 2.0%

**18. ORGANIC VOLATILE  
IMPURITIES (USP)**

**:** Must meet the requirement

**19. MICROBIAL CONTAMINATION**

**Total Aerobic count :** NMT 1000 cfu/gms.  
**Yeasts and Molds :** NMT 100 cfu/gms.  
**Salmonella & E.Coli :** Absent

**20. PARTICLE SIZE SIEVE ANALYSIS**

**a) Retained on 30 Mesh :** Max. 5.0%  
**b) Retained on 60 Mesh :** Max. 40.0%  
**c) Retained on 240 Mesh :** Min. 75.0%

**21. PACKING**

**:** 25 kgs. Fibre Drum with PE Liner inside.  
**:** 25 kgs. Paper / HDPE Bag.