



M/S. BIMAL PHARMA PVT. LTD . MUMBAI (INDIA)	FINISHED PRODUCT INFORMATIONS
QUALITY CONTROL AND ASSURANCE	PRODUCT : CALCIUM PROPIONATE, FCC V (FOOD GRADE / E-282)
MSDS No. BPPL 167 (Available on Request)	SPECIFICATION NO. FP-167 (Enclosed)

1. **NOMENCLATURE** : Calcium Propionate

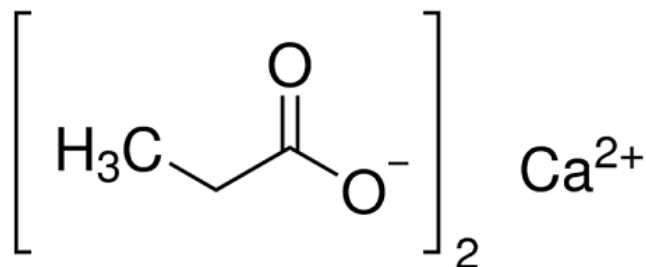
2. **CAS NO.** : 4075-81-4

3. **HSN Code** : 29159090

4. **EMPIRICAL FORMULA** : $C_6H_{10}O_4 Ca$

5. **MOL. WT.** : 186.22

6. **STRUCTURAL FORMULA** :



7. **DESCRIPTION** : A white crystalline powder;
: Highly soluble in water;

8. **APPLICATIONS** : Effective growth inhibitor of most
molds & some bacteria in Bread.
: It contributes to Nutritional enrichment by
Supplying Calcium.

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1. **DESCRIPTION** : A white crystalline powder;
2. **SOLUBILITY** : Highly soluble in water;
: At 25°C, 39.9 gms dissolves in 100 ml Water
: Slightly soluble in Methanol & Ethanol
: Insoluble in Acetone & Benzene
3. **IDENTIFICATION** : Conforms to Standard
(Test for Propionate,
Test for Calcium)
4. **CLARITY & COLOUR OF SOLUTION** : 10% Solution in Water is Clear
(APPEARANCE OF SOLUTION) and Colorless.
5. **ASSAY (ODB)** : 98.0% - 100.5%
6. **WATER CONTENT** : 5.0% Max.
(Loss on Drying)
7. **pH**
(10% aqueous solution) : 7.5 -10.5
8. **INSOUBLES IN WATER** : 0.2% Max.
9. **ARSENIC (AS As)** : 3 ppm Max.

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10. **IRON** : 50 ppm Max.
11. **FLUORIDE** : 30 ppm Max. (0.003%)
12. **LEAD** : 2 ppm Max.
13. **MAGNESIUM** : 0.4% Max. (as MgO)
14. **PACKING** : 25 Kgs White PP Bags with
single LDPE Liners.

Solubility of Calcium Propionate in Water

Sr. No.	Temp.	Solubility (in 100 ml Water)
1.	0°C	42.80 gms
2.	25°C	39.90 gms
3.	30°C	39.10 gms
4.	60°C	38.30 gms
5.	80°C	39.90 gms
6.	100°C	48.40 gms