



M/S. BIMAL PHARMA PVT. LTD MUMBAI (INDIA)	FINISHED PRODUCT INFORMATION
QUALITY CONTROL AND ASSURANCE	PRODUCT : CALCIUM EDTA DI SODIUM (FOOD GRADE) (FCC VIII)
MSDS No. BPPL 065 (Available on Request)	SPECIFICATION No. : FP 065 (Enclosed)

1. **NOMENCLATURE** : Edetate Di Sodium Calcium.
: Calcium Di Sodium Ethylene Diamine
: Tetra Acetate, Di hydrate
: Edetate Calcium Disodium

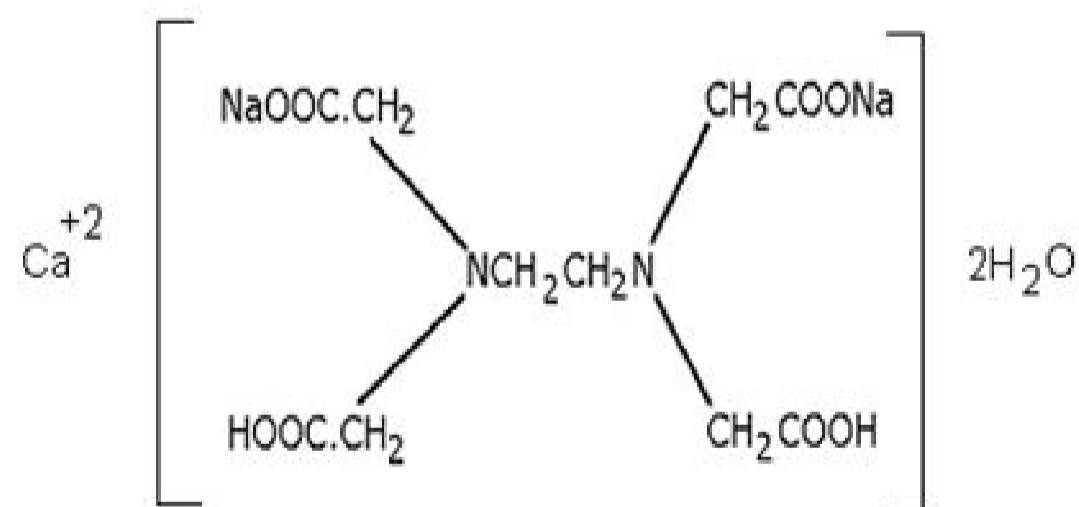
2. **CAS NO.** : 23411-34-9 / 6766-87-6

3. **HSN CODE** : 29212100 / 29224990

4. **EMPIRICAL FORMULA** : $C_{10} H_{12} N_2 Ca Na_2 O_8, 2 H_2O$

5. **MOL. WT.** : 410.26 (Dihydrate)

6. **STRUCTURAL FORMULA** :



7. **PHYSICAL PROPERTIES
BULK DENSITY** : 0.65 gm/cm³ – 0.70 gm/cm³

8. **APPLICATION** : In Food Industries including Soft Drinks & Canned Foods.

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1. **DESCRIPTION** : White Crystalline Material.
: Odourless, Free Flowing

2. **IDENTIFICATION**
 - A (Test for Calcium & Sodium): Complies
 - B IR : Complies
 - C : Deep Red Colour disappears

3. **PURITY (ASSAY)** : Minimum 98.0% to 102%

4. **IMPURITY A NITRILO TRIACETIC
ACID (NTA)(By HPLC)** : 0.1% Max.

5. **CHELATED CALCIUM CONTENT** : Not less than 9.5%

6. **FREE CALCIUM** : Absent

7. **HEAVY METALS** : Not more than 20 ppm. (Max.0.002%)

8. **IRON** : Not more than 20 ppm. (Max. 0.002%)

9. **PH (1% w/w Solution)** : 6.5 to 7.5

10. **SOLUBILITY** : Freely soluble in Water
(30% w/w in Water)

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- 11. MAGNESIUM CHELATING
SUBSTANCES** : Passes as per FCC
- 12. WATER CONTENT
(By K.F.)** : 5.0% TO 13.0 % w/w. Max.
- 13. ARSENIC CONTENT** : Max. 3 ppm.
- 14. WATER INSOLUBLES** : NMT 0.1%
- 15. SULPHATES** : NMT 50 ppm (0.005%)
- 16. CHLORIDES** : NMT 0.1%
- 17. PACKING** : 25 kgs. Round Fibre Drum / 25 kgs. HDPE
Drum with double LDPE Liners.