



M/S. BIMAL PHARMA PVT. LTD MUMBAI (INDIA)	FINISHED PRODUCT INFORMATION
QUALITY CONTROL AND ASSURANCE	PRODUCT : <b>CALCIUM EDTA DI SODIUM (DIHYDRATE) (BP/ EP/ USP/ JP) (PHARMA GRADE)</b>
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.

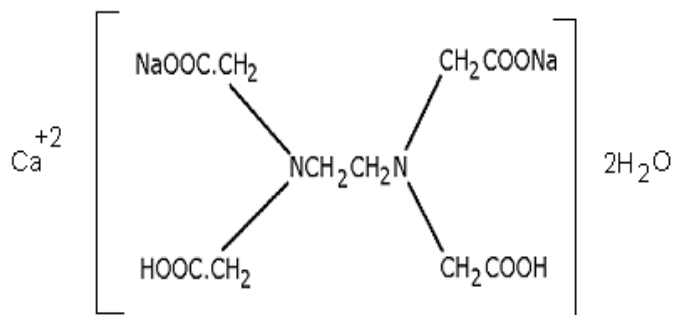
2. **CAS NO.** : 23411-34-9 / 6766-87-6

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/cm<sup>3</sup> – 0.70 gm/cm<sup>3</sup>

8. **APPLICATION IN** : Meets several Pharmacopoeia and  
Guidelines, as per B.P./ E.P/ USP/ J.P.  
: It can be used to treat lead poisoning.

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1. **DESCRIPTION** : White Crystalline Material.  
: Odorless, Free Flowing.
2. **SOLUBILITY** : Freely soluble in Water.  
(30% w/w in Water)
3. **PURITY (ASSAY)** : Minimum 98.0% to 102%
4. **IMPURITY A  
NITRILIC TRIACETIC  
ACID (NTA) (By HPLC)** : 0.05% Maximum.  
(Limit: 0.1% Maximum)
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. **MAGNESIUM CHELATING  
SUBSTANCES** : Passes as per USP.
11. **WATER CONTENT  
(By K.F.)** : 13% w/w. Max.

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- 12. ARSENIC CONTENT** : Max. 3 ppm.
- 13. WATER INSOLUBLES** : NMT 0.1%
- 14. SULPHATES** : NMT 50 ppm (0.005%)
- 15. CHLORIDES** : NMT 100 ppm ( 0.01%)
- 16. PACKING** : 25 Kgs. Round Fibre Drum / 25 kgs HDPE Drum  
With double LDPE Liners.