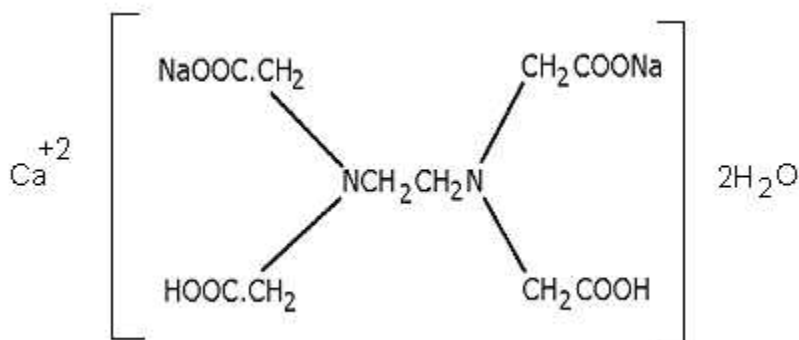


CALCIUM EDTA DI SODIUM

(CALCIUM DI SODIUM EDETATE)
(BP/ EP/USP/ FOOD / HIGH PURE GRADE)

- (1) NOMECLATURE : Edetate Di Sodium Calcium.
: Calcium Di Sodium Ethylene Diamine
: Tetra Acetate, Di hydrate.
: Edetate Calcium Disodium .
- (2) EMPIRICAL FORMULA : $C_{10} H_{12} N_2 Ca Na_2 O_8 \cdot 2 H_2O$
- (3) CAS NO. : 23411-34-9 (Di Hydrate)
: 62-33-9 (Anhydrous)
- (4) STRUCTURE :



- (5) MOL. WT. : 410.26 (Dihydrate)
: 374.27 (Anhydrous)
- (6) PHYSICAL PROPERTIES
BULK DENSITY : $0.65 \text{ gm/cm}^3 - 0.70 \text{ gm/cm}^3$
- (7) PRODUCT SPECIFICATIONS
- DESCRIPTION : White Crystalline Material.
: Odourless, Free Flowing.
- PURITY (ASSAY) : Minimum 98.0% to 102%
- IMPURITY A
NITRILLO TRIACETIC : 0.05% Maximum.
ACID (NTA) (Limit: 0.1% Maximum)
(By HPLC)

CHELATED CALCIUM CONTENT	:	Not less than 9.5%
FREE CALCIUM	:	Absent.
HEAVY METALS	:	Not more than 20 ppm. (Max.0.002%)
IRON	:	Not more than 20 ppm. (Max. 0.002%)
PH (1% w/w Solution):	:	6.5 to 7.5
SOLUBILITY	:	Freely soluble in Water. (30% w/w in Water)
MAGNESIUM CHELATING SUBSTANCES	:	Passes as per USP.
WATER CONTENT (By K.F.)	:	13% w/w. Max.
ARSENIC CONTENT	:	Max. 3 ppm.
WATER INSOLUBLES	:	NMT 0.1% .
SULPHATES	:	NMT 50 ppm (0.005%) .
CHLORIDES	:	NMT 100 ppm (0.01%).
(8) CHELATION VALUE	:	One gm. of product has the equivalent Chelation capacity of 2.44 m.moles of EDTA
(9) EQUIVALENTS	:	It is equivalent to Dissolvine E-CA-10 It is equivalent to VERSENE CA Chelating Agent (DOW).
(10) ADDITIONAL REMARKS:	:	Versatile chelating agent Used in Food and Pharma applications. Meets several Pharmacopoeia and guidelines as per B.P./ E.P/ USP/ J.P. Used in Agriculture to prevent and correct Calcium deficiencies.
(11) PACKING	:	25 Kgs. LD Polythene Bag (800 guage) with double LDPE Liners.