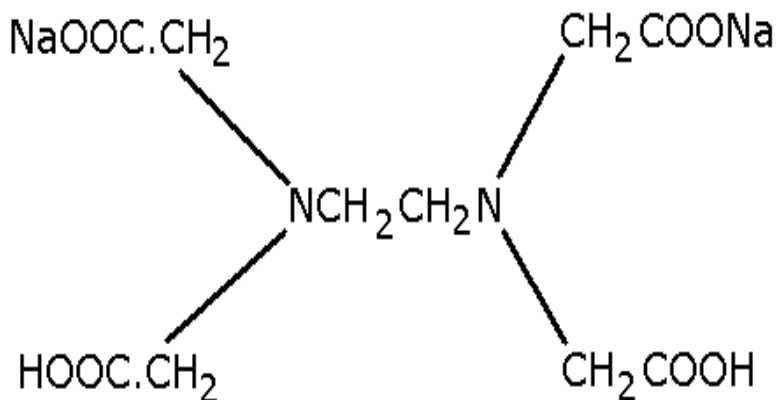


DI SOD. E.D.T.A.
(EDETATE DI SODIUM)
(PHARMA) (AS PER U.S.P.)

- (1) NOMENCLATURE : Edetate Di Sodium
: Ethylene Diamine Tetra Acetic Acid
: Di Sodium Salt.
- (2) EMPIRICAL FORMULA : $C_{10} H_{14} N_2 Na_2 O_8 , 2H_2O$
- (3) CAS NO. : 139-33-3 (Anhy.)
: 6381-92-6 (Dihydrate)
- (4) STRUCTURE :



- (5) MOL. WT. : 372.24 (Dihydrate)
: 336.21 (Anhydrous)
- (6) PHYSICAL PROPERTIES
MELTING RANGE : 250°C – 253°C
(With Decomposition)
- BULK DENSITY : 0.65 gm/cm³ – 0.70 gm/cm³
- (7) PRODUCT SPECIFICATIONS (AS PER U.S.P.'30).
- DESCRIPTION : Snow White sparkling Crystalline Material.
: Slightly bitter in Taste.
: Free Flowing.

PURITY (ASSAY)	:	Minimum 99.0%
WATER CONTENT (LOD), (At 150°C, 6 Hrs)	:	8.7% - 11.4% w/w
NITRILO TRIACETIC ACID (NTA) (By HPLC)	:	0.05% Maximum. (Limit : 0.1% Maxi)
CALCIUM	:	Absent
HEAVY METALS	:	Maxi. 0.005%.
PH (5% w/w Solution):	:	4.0 to 6.0
SOLUBILITY	:	Soluble in 10 parts of water : Insoluble in Chloroform & Ether.
COLOUR & CLARITY	:	5% w/w solution in CO ₂ - free water is Clear and Colourless.

(8) ADDITIONAL SPECIFICATIONS

IRON CONTENT : Not more than 50 ppm.

(9) PACKING : 25 Kgs. LD Polythene Bag (800 guage) with double LDPE Liners.