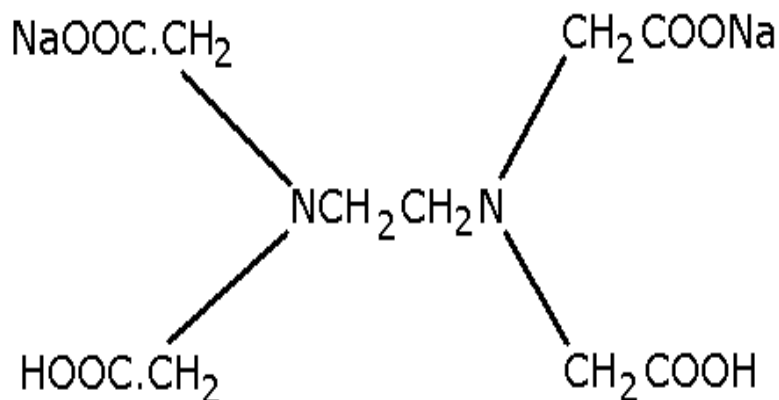


DI SODIUM E.D.T.A.

(DI SODIUM EDETATE)
(PHARMA) (As per EP'5 / B.P.'2007)

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



- (5) MOL. WT. : 372.24 (Dihydrate)
- (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 E.P'5/B.P.2007)
- DESCRIPTION : White Sparkling Crystalline Material.
: Slightly bitter in Taste.
: Free Flowing.
- PURITY (ASSAY) : Minimum 98.5%

IMPURITY A		
NITRIL O TRIACETIC ACID (NTA) (By HPLC)	:	0.05% Maximum. (Limit: 0.1% Maximum)
HEAVY METALS	:	Not more than 20 ppm.
IRON	:	Not more than 80 ppm.
PH (5% w/w Solution):		4.0 to 5.5
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.

(7) ADDITIONAL SPECIFICATIONS

WATER CONTENT (By K.F.)	:	8.7% to 11.4% w/w.
CALCIUM CONTENT	:	Absent

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