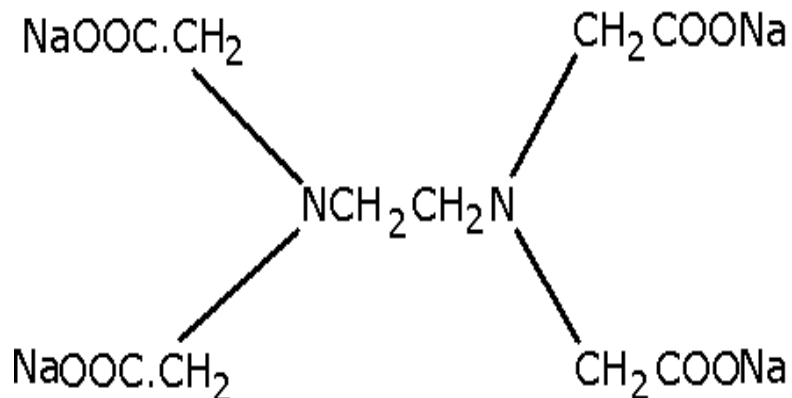


TETRA SODIUM E.D.T.A.

(E.D.T.A. TETRA SODIUM)
(FOOD GRADE) (Dihydrate)

- (1) NOMENCLATURE : Edetate Tetra Sodium.
: Ethylene Diamine Tetra Acetic Acid
Tetra Sodium Salt.
: Edetate Sodium
- (2) EMPIRICAL FORMULA : $C_{10}H_{12}N_2Na_4O_8, 2H_2O$
- (3) CAS NO. : 10378-23-1 (Dihydrate)

- (4) STRUCTURE



- (5) MOL. WT. : 416.21 (Dihydrate)
- (6) PHYSICAL PROPERTIES
- MELTING RANGE : > 300°C
(With Decomposition)
- BULK DENSITY : 0.65 gm/cm³ – 0.70 gm/cm³
- (7) PRODUCT SPECIFICATIONS
- DESCRIPTION : Pure White Sparkling Crystalline Material.
: Slightly bitter in taste.
: Free Flowing.

PURITY (ASSAY) (Complexometric)	:	Minimum 99.0%
WATER CONTENT (By K.F.)	:	5% - 10% w/w
HEAVY METALS (As Pb):		Not more than 0.001%
IRON (Fe)	:	Not more than 0.001%
CHLORIDES (CL)	:	Not more than 0.01%
SULPHATES (SO ₄)	:	Not more than 0.01%
PH (5% w/v Solution):		10.5 to 11.5
SOLUBILITY	:	Soluble in 10 parts of water : Insoluble in Chloroform & Ether.
COLOUR & CLARITY	:	10% w/w solution in CO ₂ – free water is Clear and Colourless.
(8) PACKING	:	25 Kgs. LD Polythene Bag (800 guage) with double LDPE Liners.