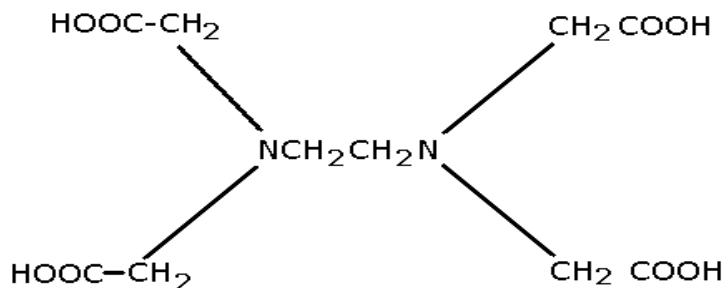


E.D.T.A. ACID

(Edetic Acid)  
(AS PER U.S.P.)

- (1) NOMENCLATURE : Ethylenedinitroil Tetra Acetic Acid.  
: Ethylene Diamine Tetra Acetic Acid.
- (2) EMPIRICAL FORMULA :  $C_{10} H_{16} N_2 O_8$
- (3) CAS NO. : 60-00-4
- (4) STRUCTURE :



- (5) MOL. WT. : 292.24
- (6) PHYSICAL PROPERTIES :
- MELTING RANGE : 240°C (With Decomposition)
- BULK DENSITY : 0.60 gm/cm<sup>3</sup> - 0.65 gm/cm<sup>3</sup>
- (7) DESCRIPTION : Snow White Crystalline Powder.  
: Free Flowing.
- PURITY (ASSAY) : 99.0% TO 100.5%
- LOD : 0.1% Maxi  
(Loss on Drying)

SOLUBILITY	:	Very Slightly soluble in water; And also in Ethanol (96%), It dissolves in Dilute solutions of Alkali Hydroxides.
CLARITY (Appearance of Solutions)	:	5% w/v solution in Dilute Sodium Hydroxide Solution is Clear and Colorless.
IMPURITY (NTA) NITRILO TRI ACETIC ACID (By HPLC)	:	0.1% Maxi.
IRON (Fe)	:	0.005% Maxi.
RESIDUE ON IGNITION	:	0.2% Maxi.
RESIDUAL SOLVENTS	:	Meets the requirements as per U.S.P. 31.
(8) PACKING	:	25 Kgs. LD Polythene Bag (800 guage) with double LDPE Liners.