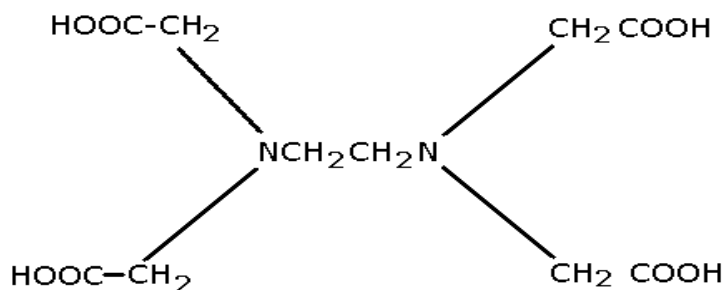


E.D.T.A. ACID

(Edetic Acid)
(AS PER B.P./E.P)

- (1) NOMENCLATURE : Ethylenedinitroil Tetra Acetic Acid.
: Ethylene Diamine Tetra Acetic Acid.
: Acidum Edeticum.
- (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 : $240^{\circ}C$ (With Decomposition)
- BULK DENSITY : $0.60 \text{ gm/cm}^3 - 0.65 \text{ gm/cm}^3$
- (7) PRODUCT SPECIFICATIONS: (As per B.P. 2007 / E.P.' 5)
- DESCRIPTION : Snow White Crystalline Powder.
: Free Flowing.
- PURITY (ASSAY) : 98.0% TO 101.0%
- 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 : 5% w/v solution in Dilute
(Appearance of Sodium Hydroxide Solution is
Solutions) clear and colorless.

IMPURITIES PROFILE

IRON (Fe) : Maxi. 80 ppm.

CHLORIDES (CL) : Maxi. 200 ppm.

HEAVY METALS : Maxi. 20 ppm.

SULPHATED ASH : Maxi. 0.2%

NITRILO TRI ACETIC : Maxi. 0.1%

ACID (NTA) (By HPLC)
(IMPURITY A)

(8) ADDITIONAL SPECIFICATION

a) IMPURITY OF NTA : Always less than 0.05%.
(Nitrilo Tri Acetic Acid)

b) Purity : Always more than 99%.

c) Sulphated Ash : Always less than 0.08%.

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