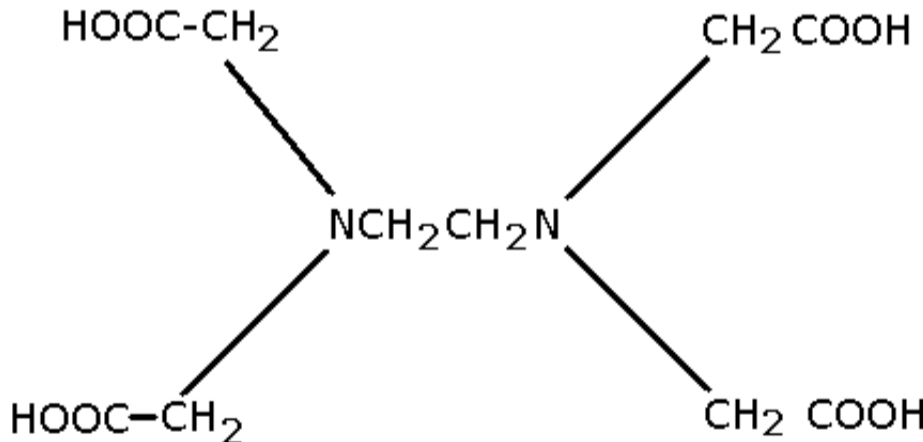




M/S. BIMAL PHARMA PVT. LTD MUMBAI (INDIA)	FINISHED PRODUCT INFORMATION
QUALITY CONTROL AND ASSURANCE	PRODUCT : E.D.T.A. ACID (LR GRADE)
MSDS No. BPPL 001 (Available on Request)	SPECIFICATION No. : FP 001 (Enclosed)

1. **NOMENCLATURE** : Ethylenedinitrilo Tetra Acetic Acid.
: Ethylene Diamine Tetra Acetic Acid.
: Acidum Edeticum.
2. **CAS NO.** : 60-00-4
3. **HSN CODE** : 29224990
4. **EMPIRICAL FORMULA** : C₁₀ H₁₆ N₂ O₈
5. **MOL. WT.** : 292.24
6. **STRUCTURAL FORMULA** :


The structural formula shows a central ethylenediamine core, NCH₂CH₂N, with four acetic acid groups (CH₂COOH) attached to the nitrogen atoms. The groups are arranged in a cross pattern: HOOC-CH₂ at the top-left, CH₂COOH at the top-right, HOOC-CH₂ at the bottom-left, and CH₂COOH at the bottom-right.
7. **PHYSICAL PROPERTIES**
MELTING RANGE : 240°C (With Decomposition)
BULK DENSITY : 0.60 gm/cm³ - 0.65 gm/cm³
8. **APPLICATION** : As a Biochemical Reagent, LR / AR / ACS Reagent in Laboratories.

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1. **DESCRIPTION** : Snow White Crystalline Powder.
: Free Flowing
2. **PURITY (ASSAY)** : 98.50% to 100.5%
3. **LOD (Loss on Drying)** : 0.5% Max.
4. **SOLUBILITY (CLARITY)** : 5 gms. dissolves in a mixture of 14 ml of Dilute
Ammonia & 36 ml of water.
: The solution is Clear & Colourless.
5. **CHLORIDES (CL)** : 0.01% Max.
6. **SULPHATES (SO₄)** : 0.01% Max.
7. **SULPHATED ASH** : Not more than 0.1%
8. **IRON CONTENT** : Not more than 0.001%.
9. **ADDITIONAL SPECIFICATION**
 - a) **IMPURITY OF NTA
(Nitrilo Tri Acetic Acid)** : 0.1% Maxi.
 - b) **Purity** : Always more than 99%.
10. **PACKING** : 25 Kgs. Multi Wallpaper Bags with single
LDPE Liners.