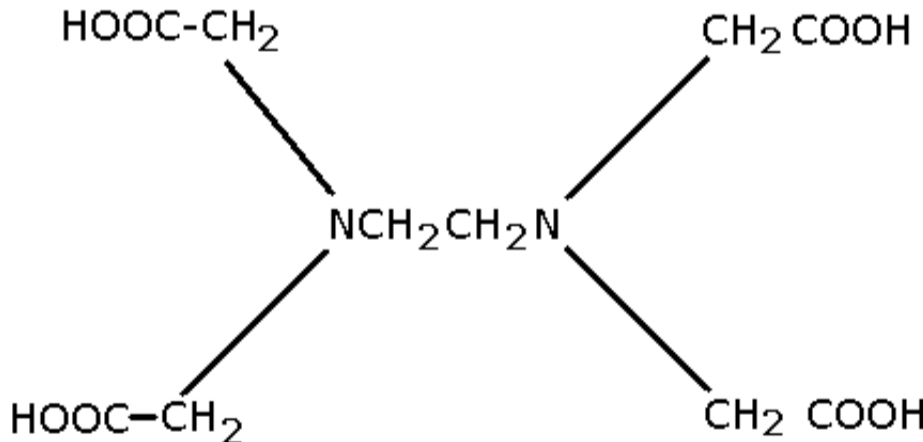




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| M/S. BIMAL PHARMA PVT. LTD MUMBAI (INDIA) | FINISHED PRODUCT INFORMATION |
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| QUALITY CONTROL AND ASSURANCE | PRODUCT : E.D.T.A. ACID (USP GRADE) |
| MSDS No. BPPL 001 (Available on Request) | SPECIFICATION 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** : 
OC(=O)CN(CC(=O)O)CC(=O)O
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)** : 99.0% to 100.5%
3. **LOD (Loss on Drying)** : 0.1% Max.
4. **IDENTIFICATION**
 - A) **By I.R. Absorption** : Should comply
 - B) **By Chemical Test
(Colour Test)** : Should comply
 - C) **By Chemical Test
(By Precipitate)** : Should comply
5. **SOLUBILITY** : Very Slightly soluble in water;
And also in Ethanol (96%),
: 5 gms., dissolves in a mixture of 14 ml. of
Dilute Ammonia & 36 ml. of water.
6. **CLARITY
(Appearance of Solutions)** : 5% w/v solution in Dilute Sodium Hydroxide
Solution is Clear and Colorless.
7. **SOLUTION S AND
APPEARANCE OF SOLUTION** : Dissolve 5.0 gms in Dil. NaOH & Make 100 ml
8. **IMPURITY A (NTA)
NITRILO TRI ACETIC
ACID (By HPLC)** : 0.1% Max.

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9. **IRON (Fe)** : 0.005% Max.
10. **HEAVY METALS (Pb)** : 10 ppm Max.
11. **pH** : 2.8 to 3.0
12. **RESIDUE ON IGNITION
(Sulphated Ash)** : 0.2% Max.
13. **RESIDUAL SOLVENTS** : Meets the requirements as per U.S.P. 31.
14. **PACKING** : 25 kgs. Multi Wallpaper Bags / 25 kgs. Fibre Drum /
25 kgs. HM-HDPE Blue Drum
with single LDPE Liners.