



TECHNICAL DATA SHEET

PRODUCT NAME: EDTA (Ethylene Diamine Tetraacetic Acid)

PRODUCT CODE: 250415A

ISSUE DATE: April 15, 2025

EXPIRY DATE: April 14, 2027

1. PRODUCT OVERVIEW

EDTA is a high-efficiency chelating agent widely used in water treatment, textiles, papermaking, cosmetics, agriculture, and industrial cleaning. This product is a white crystalline powder with excellent metal ion chelation capability.

2. CHEMICAL INFORMATION

Chemical Name: Ethylenediaminetetraacetic Acid

CAS No.: 60-00-4

Molecular Formula: $C_{10}H_{16}N_2O_8$

Molecular Weight: 292.24 g/mol

3. PHYSICAL & CHEMICAL PROPERTIES

Property	Specification	Test Result
Appearance	White crystalline powder	White crystalline powder
Assay (%)	≥ 99.0	99.4
Chloride (Cl) (%)	≤ 0.01	0.002
Sulfate (SO ₄) (%)	≤ 0.05	0.01
Iron (Fe) (%)	≤ 0.001	0.0001

Property	Specification	Test Result
Lead (Pb) (%)	≤ 0.001	Not Detected
Chelating Value (mg CaCO ₃ /g)	≥ 339	340
pH (50g/L, 25°C)	2.8 – 3.0	2.92
Dry Weight Loss (%)	≤ 0.2	0.05

4. APPLICATIONS

- Industrial water treatment (softening, anti-scaling)
- Textile dyeing auxiliaries
- Papermaking industry
- Cosmetics and personal care
- Agricultural micronutrient formulations
- Cleaning and detergent formulations

5. PACKAGING & STORAGE

Packaging: 25 kg bags, or as per customer requirements

Storage: Keep in a cool, dry, and well-ventilated place away from moisture and direct sunlight.

Shelf Life: 2 years from manufacturing date when stored properly.

6. SAFETY & HANDLING

- Avoid inhalation and contact with eyes and skin.
- Use personal protective equipment (gloves, goggles, mask) during handling.
- Refer to Safety Data Sheet (SDS) for detailed safety information.