

EDTA Acid / Di Sodium Salt

Chelating agent

Product Description

EDTA (Ethylenediaminetetraacetic Acid) and its Disodium Salt are chelating agents used in industrial cleaning, water treatment and pharmaceutical formulations.

Certificate of Analysis

HSN Code: 2922.43

CAS Number: 60-00-4 (EDTA Acid) / 133-99-5 (Disodium EDTA)

Classification: Chelating Agent – Non-Hazardous

Parameter	Specification	Test Method
Appearance	White crystalline powder	Visual
Assay (EDTA Acid)	"e 99.0% on dried basis	Complexometric Titration
A s s a y (N a , E D T A)	99.0–101.0% on dried basis	Complexometric Titration
p H (1 % a q . , N a , E D T A)	4.3–4.7	Potentiometry
Iron (Fe)	"d 5 p p m	AAS
Loss on Drying	"d 2.0%	USP <731>
Heavy Metals (as Pb)	"d 10 p p m	ICP-MS
Nitrilotriacetic Acid (NTA)	"d 0.1%	HPLC

Physical Properties

Appearance: White crystalline powder

Odor: Odorless

Molecular Formula: $C_4H_4N_2O_6$ (EDTA acid)

Molecular Weight: 292.24 g/mol (EDTA acid)

Solubility: EDTA acid: slightly soluble in water; Na,EDTA: freely soluble in water

Melting Point: 250°C (decomposition, EDTA acid)

Packing: 25 kg HDPE woven bags with inner polyethylene liner; 50 kg bags

Storage: Store in cool, dry, well-ventilated area. Keep away from strong oxidizers and acids. Keep containers tightly sealed.

Safety & Handling

PPE: Gloves, safety goggles, dust mask for handling powder

Hazards:

- Mild eye and skin irritant
- Dust may cause respiratory irritation