

SPECIFICATION

Product Name: EDTA Di Sodium Salt
Chemical Formula: C ₁₀ H ₁₄ N ₂ Na ₂ O ₈ ·2H ₂ O
CAS Number: 6381-92-6
Molecular Weight: 372.24 g/mol
Appearance: White Crystalline Powder
Odor: Odorless.

Chemical Composition

Parameter	Unit	Specification (Min/Max)
Chelation value	C.V	275 C. V
Assay	%	99.18%
PH	%	4.7%
Matter insoluble by mass	%	0.1%
Iron as (Fe)	PPM	Max. 10 PPM
10% Solution	-	Clear

Physical Properties

- Solubility: Freely soluble in water. Practically insoluble in ethanol. Insoluble in acetone. Insoluble in ether. Insoluble in chloroform.

Shelf Life & Storage

- Shelf Life: 1 years from date of manufacture under recommended storage.
- Storage Conditions: Store in a tightly closed container in a cool, dry, and well-ventilated place, protected from moisture, humidity, and direct sunlight. Keep the container tightly sealed when not in use to prevent contamination and moisture uptake.

Applications

- Use: Widely used as a chelating agent, sequestrant, stabilizer, and antioxidant synergist in pharmaceutical, nutraceutical, food, cosmetic, and industrial applications. It binds trace metal ions such as iron, copper, calcium, and magnesium, helping improve product stability and shelf life.

- Dosage: Depends on the formulation type and its function as a chelating and stabilizing agent.

Packaging

- Standard Packing: 25 kg woven PP bags with inner liner, 1 kgs and 100 grams, or as per customer requirement.

- Labeling: Product name, batch number, net weight, manufacture date, expiry date, and manufacturer details.

* Specifications are based on the manufacturer's provided specifications.