



### Product Identification

- **Product Name:** Tri Sodium Citrate
- **Chemical Name:** Sodium Citrate Tribasic Dihydrate
- **CAS Number:** 6132-04-3
- **Molecular Formula:**  $\text{Na}_3\text{C}_6\text{H}_5\text{O}_7 \cdot 2\text{H}_2\text{O}$
- **Molecular Weight:** 294.10 g/mol

### Description:

Tri Sodium Citrate is a white crystalline powder with a slightly salty and tart flavor. It is widely used as a buffering, chelating, and emulsifying agent across food, pharmaceutical, industrial, and water treatment applications. Globex Venture supplies high-purity, industrial-grade Tri Sodium Citrate suitable for multiple industries.

### Specification:

Sr. No	Test	Specifications
1	Description	White powder, odourless
2	Solubility	Freely soluble in water, Practically insoluble in ether
3	Identification	10% w/v solution gives reactions of sodium & citrate
4	Appearance of Solution	Clear and Colourless
5	pH	7.5-9
6	Arsenic	NMT 2 ppm
7	Heavy Metals	NMT 10 ppm
8	Chloride	NMT 100 ppm
9	Oxalate	NMT 300 ppm
10	Sulphate	NMT 150 ppm
11	Water	11.0% to 13.0%
12	Assay (On Anhydrous Basis)	99.0% to 101.0%

### Applications

- **Food & Beverage:** Used as a buffering agent, flavor enhancer, and emulsifying salt in processed foods, soft drinks, and dairy products.
- **Pharmaceuticals:** Acts as a pH stabilizer and anticoagulant in syrups, tablets, and blood preservation.
- **Cosmetics & Personal Care:** Maintains pH balance and improves stability in skincare and haircare formulations.
- **Water Treatment:** Chelates metal ions, softens water, and enhances cleaning efficiency.
- **Leather Industry:** Buffers pH and improves tanning quality by controlling metal ions.
- **Detergents & Cleaners:** Softens water and boosts surfactant performance in cleaning products.

### Packaging & Supply

Standard: 25 kg HDPE bags with inner liner  
 Custom packaging available on request  
 Bulk availability for export orders

### Storage & Handling

- Store in a cool, dry, and well-ventilated area, away from moisture and direct sunlight.
- Keep packaging tightly sealed to prevent caking or contamination.
- Avoid contact with strong acids and oxidizers.
- Use protective gear (gloves, goggles, dust mask) during handling.
- Prevent dust formation; wash hands after use.
- Shelf life: 24 months under proper storage conditions.

### Hazard Classification

- **Hazard Class:** Not classified as hazardous under GHS (Globally Harmonized System).
- **UN Number:** Not applicable
- **Transport Classification:** Not regulated for transport by ADR/RID, IMDG, or IATA.

### Contact

#### Corporate Office

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