

Technical Data Sheet

Product Name: Trisodium Citrate Dihydrate BP/USP/FCC/E331

Molecular Formula: $C_6H_5Na_3O_7 \cdot 2H_2O$

Molecular Weight: 294.1

CAS No.: 6132-04-3

Parameter	Standard
Characters	White or almost white, crystalline powder or granular crystals. Slightly deliquescent in moist air. Freely soluble in water, practically insoluble in ethanol
Identification	Passes Test
Appearance of Solution	Passes Test
Assay	99.0%-100.5%
Water	11.0%-13.0%
Readily Carbonisable Substances	Passes Test
Acidity or Alkalinity	Passes Test
pH (5 % aqueous solution)	7.5-9.0
Sulfates	$\leq 150\text{mg/kg}$
Oxalates	$\leq 100\text{mg/kg}$
Chlorides	$\leq 50\text{mg/kg}$
Lead	$\leq 1\text{mg/kg}$
Arsenic	$\leq 1\text{mg/kg}$
Mercury	$\leq 1\text{mg/kg}$
Heavy Metals	$\leq 10\text{mg/kg}$
Tartrate	Passes Test
Pyrogen	Passes Test

Application

Sodium citrate is used as flavors, stabilizing agent, buffering agent, chelating agent, nutritional supplement of buttermilk, emulsifying agent and flavoring agent in food and beverage industry; it can be used as anti-blood clotting, apophlegmatisant and diuretics in pharmaceutical industry; it can replace sodium tripolyphosphate as a non-toxic detergent additives in detergent industry; it can also be used in brewing, injection, photography drugs, electroplating etc.

Package

25kg net 3-ply kraft paper bags or composite paper-plastic bags, 500kg or 1000kg net PP woven jumbo bags

Storage: Store in tightly closed original container in a dry, cool, well-ventilated place

Shelf Life: Three years

Particle Size: 30-100mesh (0.150-0.600) mm, 20-100mesh (0.150-0.850) mm,
12-40mesh (0.425-1.700) mm