

Technical Data Sheet

Product Name: Trisodium Citrate Dihydrate

Chemical Name: 2-Hydroxy-1, 2, 3-Propanetricarboxylic Acid Trisodium Salt.

Molecular Formula: $C_6H_5Na_3O_7 \cdot 2H_2O$

Molecular Weight: 294.1

CAS No.: 6132-04-3

Description:

This product consists of colorless crystals or white crystalline powder, odorless, with a saline taste; It will loss crystal water at 150°C; with slight deliquescence in the wet air, with slightly weathered in the hot air, soluble in water, insoluble in ethanol.

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 and electroplating etc.

Package:

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

Storage:

Kept in tightly closed original container in a dry, cool, well-ventilated place.

Shelf Life: Three years

Quality Standards: BP2014, USP36, FCC8, E331

Particle Size: 30-100mesh, 20-100mesh, 12-40mesh

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Specification of Trisodium Citrate Dihydrate

Item	Unit	BP 2013	USP 36	FCC 8	E 330
Characters		White Crystalline Powder, Colorless Crystals or Granules			
Identification		Pass Test			
Color & Clarity of Solution		Pass Test	/	/	Pass Test
Assay	%	99.0-101.0	99.0-100.5	99.0-100.5	≥99.0
Water	%	11.0-13.0	10.0-13.0	10.0-13.0	11.0-13.0
Readily Carbonisable Substances		Not Darker than Standard	/	/	Pass Test
Sulphate	ppm	≤150	/	/	≤150
Chloride	ppm	≤50	/	/	≤50
Oxalate	ppm	≤300	/	/	≤100
Iron	ppm	/	/	/	≤5
Lead	ppm	/	/	≤2	≤1
Arsenic	ppm	/	/	/	≤1
Mercury	ppm	/	/	/	≤1
Tartrate	ppm	/	Pass Test	/	/
Heavy Metals	ppm	≤10	≤10	/	≤5
PH	ppm	/	/	/	7.5-9.0
Pyrogen	ppm	Pass Test	/	/	/
Sulphate	ppm	≤150	/	/	≤150