

Trisodium Citrate Dihydrate

Product Information

Cargill Trisodium Citrate Dihydrate is manufactured by neutralizing citric acid derived from a submerged fermentation process. Cargill Trisodium Citrate is produced in accordance with current Good Manufacturing Practices (GMP's) under a comprehensive HACCP (Hazard Analysis and Critical Control Points) program.

Trisodium Citrate Dihydrate is considered "GRAS" (Generally Recognized As Safe) by the United States Food and Drug Administration without restriction as to the quantity of use within good manufacturing practice. Trisodium Citrate Dihydrate is also considered by the Experts Committee of the FAO/WHO to be a safe food additive without limitation according to good manufacturing practice.

Cargill Trisodium Citrate Dihydrate is manufactured to meet the monograph specifications of major world codex and pharmacopoeia standards including the USP, FCC, BP, EP, FAO/WHO and is certified Kosher Pareve, Kosher for Passover, and Halal.

Cargill Trisodium Citrate Dihydrate is available as translucent white crystals and has a slight saline taste. Water of crystallization constitutes approximately twelve percent by weight of the dihydrate form.

Trisodium Citrate Dihydrate

Molecular Formula	$C_6H_5O_7Na_3 \bullet 2 H_2O$
Molecular Weight	294.10
CAS Number	6132-04-3
E-NR	E 331
EINECS	20-06-753

Product Specifications

Assay (%)	Not less than 99.0 (anhydrous basis)
Water (%)	10.0 – 13.0
Identification	Positive for sodium and citrate
Alkalinity	Passes USP and FCC tests
Tartrate	Passes USP test
Heavy Metals (as Pb)	Not more than 10mg/kg
Lead	Passes FCC test

Particle Size Distribution

Granular	Max. 3% on U.S. No. 16 sieve Max. 3% through U.S. No. 80 sieve
Fine Granular	Max. 1% on U.S. No. 30 sieve Max. 10% through U.S. No. 100 sieve

Bulk Densities (lbs/ft ³)	Granular	60
	Fine Granular	58

Packaging

25 Kg	Polyethylene-lined multiwall paper bags
50 lb (22.7 Kg)	Polyethylene-lined multiwall paper bags
100 lb (45.4 Kg)	Polyethylene-lined multiwall paper bags
1800-2400 lb (816.5-1088.6 Kg)	Bulk bags

Shelf Life and Storage

We recommend that product held for more than 5 years be reevaluated for fitness of use. Trisodium Citrate Dihydrate should be stored in sealed containers under conditions of low temperature and low humidity to prevent caking.

contact

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