

Tripotassium Citrate Monohydrate

Product Information

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

Tripotassium citrate monohydrate 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. Cargill Tripotassium Citrate is manufactured to meet the monograph specifications of the Food Chemicals Codex and the United States Pharmacopoeia and is certified Kosher Pareve, Kosher for Passover, and Halal.

Cargill Tripotassium Citrate is available as translucent white crystals and has a saline taste. Water of crystallization constitutes approximately 5.5% by weight of the monohydrate form.

Tripotassium Citrate Monohydrate

Molecular Formula	$C_6H_5O_7K_3 \cdot H_2O$
Molecular Weight	324.41
CAS Number	6100-05-6
E-NR	E 332
EINECS	21-27-555

Product Specifications

Assay (%)	99.0 – 100.5 (anhydrous basis)
Moisture (%)	3.0 – 6.0
Identification	Positive for potassium and citrate
Alkalinity	Passes USP and FCC tests
Heavy Metals (as Pb)	Not more than 10mg/kg
Tartrate	Passes USP test
Residual Solvents	Passes USP test

Particle Size Distribution

Granular	Max. 2% on U.S. No. 16 sieve Max. 5% through U.S. No. 100 sieve
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Bulk Densities	Granular
65 (lbs/ft ³)	

Packaging

50 lb (22.7 Kg) Polyethylene-lined multiwall paper bags

Shelf Life and Storage

We recommend that product held for more than 5 years be reevaluated for fitness of use. Tripotassium Citrate Monohydrate is very hygroscopic and should be stored under conditions of low temperature and low humidity in airtight containers.

contact

Cargill Acidulants

1 Cargill Drive
Eddyville, IA 52553
Tel: 800-932-0544
Fax: 952-249-4026

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Updated 30-Nov-10