

Edible Grade
Description: Chemical Formula - C₄H₆O₆

Tartaric Acid is an important organic acid found in natural state in several fruits. It is odourless, free flowing white crystalline powder or crystals, stable and non-hygroscopic.

Specification

Characteristics	Specification	
	Appearance	White crystalline
Assay on dry basis as C ₄ H ₆ O ₆ , Wt.%	Min.	99.7
Loss on drying at 105 ^o C, Wt.%	Max.	0.3
Specific rotation	Between	12 - 12.8
Residue on Ignition, (Sulphate ash) Wt.%	Max.	0.05
Heavy Metals (as Pb), ppm	Max.	10
Lead (as Pb), ppm	Max.	2
Arsenic (as As), ppm	Max.	1

Grades of Granularity:
Granular

100% passing through USS 10 mesh
10% Max. Passing through USS 50 mesh

Fine Granular

99% Min. passing through USS 25 mesh
5% Max. passing through USS 100 mesh

Packaging:

1. PE lined, PE laminated HDPE Bag - 25 Kg
2. PE Laminated 4 Ply Paper Bag - 25 Kg
3. 1000 Kg bulk bag with inner liner

Full Container Load (FCL):
1. Palletised and stretch wrapped

40 x 25 Kg Bags / Pallet = 1.0 MT
44 x 25 Kg Bags / Pallet = 1.1 MT

A) 1.0 MT x 20 Pallets = 20 MT/ FCL

B) 1.0 MT x 10 Pallets and
1.1 MT x 10 Pallets = 21 MT/ FCL

2. Packed in Bulk bags

20 x 1000 Kg bulk bag on pallets = 20 MT / FCL

**For further details please contact
Thirumalai Chemicals Limited**

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Intended Use

1. Tartaric acid is used in the manufacture of carbonated drinks.
2. It is widely used in effervescent tablets and powders frequently admixed with citric acid.
3. It is an acidulant used in the manufacture of gelatin dessert, fruit jellies, jams, pickles, concentrates.
4. It finds application in the pickling, cleaning and polishing of metals.
5. Tartaric acid is used in the manufacture of DATEM esters, which are emulsifiers in bread preparation.