

Technical Data Sheet

Version: 1.0 EN

Natural tartaric acid, E334

Article number: D10396

General Information

Origin	This tartaric acid is the organic L(+)-tartaric acid, which is mainly found in grapes. It is responsible for the characteristic sour flavour of many fruits. In its pure form, it is an odourless powder.
CAS Number	87-69-4
EC Number	201-766-0
INCI	TARTARIC ACID
Molecular Formula	C ₄ H ₆ O ₆
Appearance	Whitish powder
Packaging	25 kg bags and small containers
Shelf life	48 months
Applications	Application in food; technical application
Allergens	The product may contain traces of gluten and sulphites.
Compliance	USP-NF 2021; Directive 231/2012/EU and Directive 2244/2002/EC

Specification Values

Parameter	Value
Solubility	Highly soluble in water, highly soluble in alcohol.
Melting range	168 - 170°C
Loss on drying	≤ 0,2 %
Specific Optical Rotation	12.0 – 12.8°
Residual solvents	Total absence in the manufacturing process
Sulphated ash	≤ 0,05 %
Sulphates	less than 150 ppm
Oxalates	less than 50 ppm
Calcium	less than 25 ppm
Chlorides	less than 30 ppm

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Heavy metals	less than 2 ppm
Lead	less than 0.05 ppm
Cadmium	less than 0.05 ppm
Arsenic	less than 0.05 ppm
Mercury	less than 0.05 ppm
Iron	less than 3 ppm

Nutritional Values

	Average Values (per 100g / 100ml)
Energy (kJ)	767
Energy (kcal)	183
Fat (g)	0
- Of which saturated fats (g)	0
Carbonhydrates (g)	0
- Of which sugars (g)	0
Fibre (g)	0
Protein (g)	0
Salt (g)	0

Additional Information

All details are based on our current state of knowledge and are not transferable to other products. They do not constitute a warranty or guarantee of specific properties or suitability for particular applications. Each use of our supplied products must be tested in the respective application and checked for any existing property rights. Color and form of the product may slightly vary within a production batch due to the manufacturing process.

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