

# Technical Data Sheet

Version: 1.0 EN

## Malic Acid, E296

Article number: D10390

### General Information

Origin	Malic acid (DL-Malic Acid) is an organic acid that naturally occurs in many fruits, particularly apples. Chemically, it belongs to the alpha-hydroxy acids (AHA) group and contributes to the sour taste of fruits.
CAS Number	6915-15-7/617-48-1
EC Number	230-022-8
Molecular Formula	C <sub>4</sub> H <sub>6</sub> O <sub>5</sub>
Appearance	Colorless powder
Packaging	25 kg bags and small containers
Shelf life	24 months
Applications	Acidulant, preservative, food additive, ingredient in cosmetics, pH regulator
Allergens	None of the 14 main allergens added or contained
Compliance	Regulation (EU) 1169/2011, E296, FCC11, Vegan, Regulation (EU) 2020/878

### Specification Values

Parameter	Value
Melting Point	127,0 – 132,0 °C
Maleic Acid	≤ 0,05 %
Fumaric Säure	≤ 1,0 %
Content	≥ 99,5 %
Water insolubles	≤ 0,1 %
Specific Rotation	-0,1° bis +0,1°
Malate	positiv
Residue on Ignition	≤ 0,1 %
Arsenic	≤ 2 mg/kg
Lead	≤ 2 mg/kg
Mercury	≤ 1 mg/kg
Heavy Metals	≤ 10 mg/kg

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## Nutritional Values

	Average Values (per 100g / 100ml)
Energy (kJ)	1300
Energy (kcal)	300
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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