

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 ₄ H ₆ O ₅
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

DistrEbution GmbH
Brookdeich 40
D - 21029 Hamburg
VAT ID.: DE
317975177

Tel.: +49 (0)40 609 2387 - 60
Fax.: +49 (0)40 609 2387 - 89
Web.: distrebution.com
Mail.: info@distrebution.com

Commerzbank AG:
IBAN DE 73 2004 0000 0262 6539 00
BIC COBADEFFXXX
Haspa Hamburg:
IBAN DE 97 2005 0550 1500 5186 40
BIC HASPDEHHXXX

Managing Director:
Benjamin Lindenau
Commercial Register:
Hamburg
HRB 151065

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.

DistrEbutio GmbH Brookdeich 40 D - 21029 Hamburg VAT ID.: DE 317975177	Tel.: +49 (0)40 609 2387 - 60 Fax.: +49 (0)40 609 2387 - 89 Web.: distrebution.com Mail.: info@distrebution.com	Commerzbank AG: IBAN DE 73 2004 0000 0262 6539 00 BIC COBADEFFXXX Haspa Hamburg: IBAN DE 97 2005 0550 1500 5186 40 BIC HASPDEHHXXX	Managing Director: Benjamin Lindenau Commercial Register: Hamburg HRB 151065
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