Summary Technical Data Sheet

Malic Acid Food Grade

Product Name: Malic Acid Food Grade
CAS Number: 6915-15-7
Formula: $C_4H_6O_5$
Molecular weight: 134.08 g/mol
Grade: Food grade (USP/NF, PhEur)
E Number: 296
Appearance: white powder
Melting Point: 128-132 °C
Solubility in water: 558 g/L (20 °C)



Typical Product Specifications

Properties	Specifications
Assay	≥ 99.0%
Fumaric Acid	≤ 1.0%
Maleic Acid	≤ 0.05%
Heavy Metals	≤ 20 ppm
Residue on Ignition	≤ 0.1%
Water insoluble matter	≤ 0.1%
Moisture	≤ 2.0%

Malic acid is a white crystalline powder with a strongly acidic taste. Malic Acid is naturally found in many fruits, especially in sour apples. It is widely used as a flavor enhancer in food production, including beverages, confectionaries, preserves, desserts, and bakery products. Malic acid is also a component of medical products, such as throat lozenges, cough syrups, and effervescent powders. Malic Acid is used in skin care products for skin improvement and rejuvenation.

Malic Acid Benefits:

- smooth and persistent sour flavor
- flavor enhancement, taste-blending and flavor-fixative qualities
- a high solubility rate in water
- lower hygroscopicity than Citric acid, which makes it more free-flowing as a powder
- a relatively low melting point facilitates blending into molten confections
- excellent anti-browning effect in fruits and other foods
- good chelating properties with metal ions
- effective buffer

Storage and Handling: Store in a cool and dry place and in tightly closed container.

Packaging: 55 lb / 25 kg bags

Transport Regulations: Not regulated as dangerous goods (for reference only).

The above information, while not guaranteed, reflects our analysis and believed to be accurate. It is the end user's responsibility, prior to use of the above mentioned product to determine the suitability of the product. Aqua Bond shall not be, directly or indirectly responsible for damages of any nature whatsoever resulting from the use or reliance upon the above information.

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