



Tech

Technical Data

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Malic Acid

GENERAL DESCRIPTION:

Malic Acid is an organic compound that is naturally produced by all living organisms. It maintains a mildly sour taste, commonly found in fruits.

APPLICATIONS:

- ◆ Food: serves as a food additive in a variety of products
- ◆ Pharmaceutical & Cosmetics
- ◆ Metal treatment
- ◆ Plating industries
- ◆ Textile applications

PHYSICAL PROPERTIES:

- ◆ Appearance: White crystalline powder
- ◆ Odor: Odorless
- ◆ pH 1% solution: 2.8
- ◆ Solubility in water @20°C: 55.5

Characteristics	Unit	Value	Method*	Reference
Assay	%	99.5 min	L001	
Melting range	°C	130 - 132	GM027	ASTMD-3417
Fumaric acid	%	1.0 max	GM001A103	
Maleic acid	%	0.05 max	GM001A103	
Ash	%	0.02 max	GM015	ASTM D-482
Water insoluble matter	%	0.05 max	L005	
Heavy metals (as Pb)	ppm	10 max	L004	
Arsenic	ppm	1 max	L004	
Iron	ppm	5 max	L004	

HANDLING & STORAGE

Handling: This product is non hazardous

Storage: Malic Acid must be stored at room temperature, away from open flames or other potential ignition sources, in a dry & well-ventilated area.

[For more detail about product handling & safety info, please refer to the Material Safety Data Sheet](#)