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PRODUCT DATA

MALIC ACID **FCC/NF**

Item #: MA400
CAS No: [6915-15-7]

M. Wt: 134.09
M. Fm: C₄H₆O₅

Description:

White or nearly white, crystalline powder or granules having a strongly acid taste. One g dissolves in 0.8mL of water and in 1.4 mL of alcohol.

Applications:

As flavoring agent or pH adjuster, Malic Acid is used in food and non-food applications, including: beverages, canned fruits and vegetables, desserts, jams/jellies, powdered mixes, wines, confectionery, pharmaceuticals, nutritional supplements, and pet foods.

Specifications:

The product meets the specifications of Food Chemicals Codex (FCC) IV and National Formulary (NF) 18.

Identification	As per requirement
Colour (10% water solution max.).....	10 APHA
Specific rotation $[\alpha]_D^{25}$	-0.10°-+0.10°
Melting point	130°C
Assay (as DL Malic Acid on dry basis).....	99.0% ~ 100.5%.
Residue on ignition	0.1% max.
Heavy metals (as Pb)	10 ppm max.
Arsenic (as As)	2 ppm max.
Lead (as Pb)	1 ppm max.
Iron	5 ppm max.
Fumaric Acid	1.0% max.
Maleic Acid	0.05% max.
Water insoluble matter	0.1% max.
Moisture	0.3% max.
Optical activity	Inactive
Organic volatile impurities	Meets the requirement

Particle/Mesh Size (Typical):

99% min. through USS 25 mesh and 5% max. through USS 100 mesh.

Packing and Storage:

Preserved in 25 kg PP lined HDPE bags. Store in a cool, dry condition with tight seal.

Shelf Life: two years

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