

## The Chemical Company FCC Food Grade DL-Malic Acid, C4H4O4

Category : Fluid

### Material Notes:

Malic Acid is an organic compound with little to no odor, a dicarboxylic acid that is the active ingredient in many sour and tart foods. Malic Acid is generated during fruit metabolism and occurs naturally in all fruits and many vegetables. The pleasant, refreshing experience of biting into a juicy apple or cherry is partly caused by Malic Acid. Its mellow, smooth, persistent sourness can be blended with multiple food acids, sugars, high intensity sweeteners, flavors and seasonings to create distinctive taste experiences in foods, beverages and confections. Malic Acid is formed in metabolic cycles in the cells of plants and animals, including humans. The compound provides cells with energy and carbon skeletons for the formation of amino acids. The human body produces and breaks down relatively large amounts of Malic Acid every day. Malic Acid contributes to the sourness of green apples. It is present in grapes and gives a tart taste to wine. When added to food products, Malic Acid is the source of extreme tartness. It is used with or in place of the less sour citric acid in sour sweets. Malic Acid is used as a flavor enhancer in food preparation for confectionaries, beverages, fruit preparations and preserves, desserts, and bakery products. It is also essential in the preparation of medical products such as throat lozenges, cough syrups, effervescent powdered preparations, toothpaste and mouthwash. Additionally, Malic Acid is used in the manufacture of skin care products to rejuvenate and improve skin conditions. Molecular Formula: C4H4O4 Information provided by The Chemical Company

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_The-Chemical-Company-FCC-Food-Grade-DL-Malic-Acid-C4H4O4.php](http://www.lookpolymers.com/polymer_The-Chemical-Company-FCC-Food-Grade-DL-Malic-Acid-C4H4O4.php)

Physical Properties	Metric	English	Comments
Solubility in Water	>= 99.9 %	>= 99.9 %	
Loss On Ignition	>= 99.95 %	>= 99.95 %	
Particle Mesh Size	10 Mesh	10 Mesh	Granular-100%
	25 Mesh	25 Mesh	Fine Granular< 99%
	50 Mesh	50 Mesh	Granular< 10%, Powder> 75%
	100 Mesh	100 Mesh	Fine Granular< 5%

Component Elements Properties	Metric	English	Comments
Arsenic, As	<= 0.00010 %	<= 0.00010 %	
Lead, Pb	<= 0.00020 %	<= 0.00020 %	Heavy Metals (as Pb), 10ppm max

Processing Properties	Metric	English	Comments
Moisture Content	<= 0.30 %	<= 0.30 %	Weight percent

Descriptive Properties	Value	Comments
Appearance	White crystalline granular/fine granular/powder	

Descriptive Properties	Value %	Comments, as DL Malic Acid
Fumaric Acid (wt%)	< 1.0	
Hazen Color Value (pt-co)	< 10	10% solution
Maleic Acid (wt %)	< 0.05	
Specific Rotation	-0.10° to 0.10°	

## Contact Songhan Plastic Technology Co.,Ltd.

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