

The Chemical Company Food Grade Fumaric Acid, C₄H₄O₄

Category : Fluid

Material Notes:

Fumaric Acid or trans-butenedioic acid, is an odorless white crystalline chemical compound widely found in nature. Fumaric Acid is a key intermediate in the tricarboxylic acid cycle for organic acid biosynthesis in humans and other mammals. Fumaric Acid is also an essential ingredient in plant life. Fumaric Acid is found in bolete mushrooms, lichen and Iceland moss. Human skin naturally produces Fumaric Acid when exposed to sunlight. Fumaric Acid is used in the manufacture of medicines, drinks, food, animal feed, cleansing agents, unsaturated polyester, alkyd resins, and printing inks, and is the strongest organic food acid in titratable acidity and sourness. When used as a food additive, the hydrophobic nature of Fumaric Acid results in persistent, long lasting sourness and flavor impact. The versatile compound also decreases the pH with minimal added sourness in products with pHs greater than 4.5. Its low molecular weight gives Fumaric Acid more buffering capacity than other food acids at pHs near 3.0. Molecular Formula: C₄H₄O₄ Information provided by The Chemical Company

Order this product through the following link:

http://www.lookpolymers.com/polymer_The-Chemical-Company-Food-Grade-Fumaric-Acid-C4H4O4.php

Physical Properties	Metric	English	Comments
Solubility in Water	0.70 % @ Temperature 30.0 °C	0.70 % @ Temperature 86.0 °F	(g/100mL)
Loss On Ignition	>= 99.95 %	>= 99.95 %	

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 %	

Descriptive Properties	Value	Comments
Appearance	White crystalline powder	
Assay	= 99.5%	on dry basis, Maleic Acid >0.05 wt%
Hazen Color Value (pt-co)	< 20	5% alcohol solution

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