

Edible Grade

Description: Chemical Formula - C₄H₄O₄

Fumaric Acid is found abundantly in nature. Fumaric Acid has a slight acid taste. It is free flowing, stable and non-hygroscopic.

Specification (Conforms to FCC 7)

Characteristics	Specification	
Appearance	White Crystalline Powder	
Odour	None	
Assay on dry basis, Wt. %	Min.	99.5
Maleic Acid, Wt. %	Max.	0.05
Residue on ignition, Wt. %	Max.	0.05
Moisture, Wt. %	Max.	0.25
Colour, APHA (5% Alcohol Solution)	Max.	20
Heavy Metals (as pb), ppm	Max.	10
Lead (as pb), ppm	Max.	2
Arsenic (as As), ppm	Max.	1
Solubility in Water at 30 ^o C, (gms. / 100 ml.)	-	0.7

Packaging

1. PE lined, PE laminated HDPE Bag - 25 Kg
2. PE laminated 4 Ply Paper Bag - 25 Kg
3. Bulk Bags - 1000 / 675 / 500 Kg
4. Bulk Bags - Antistatic

Full Container Load (FCL)

Palletised and Stretch Wrapped

40 x 25 Kg Bags / Pallet = 1.0 MT
 44 x 25 Kg Bags / Pallet = 1.1 MT

1. Packed in 25 Kg Bags

1.0 MT x 10 Pallets and
 1.1 MT x 10 Pallets = 21 MT/ FCL

2. Packed in Bulk Bags on Pallets

- A) 1000 Kg x 20 Bulk Bags = 20 MT/ FCL
 B) 500 Kg x 40 Bulk Bags = 20 MT/ FCL
 C) 675 Kg x 30 Bulk bags = 20.25 MT/ FCL

For further details please contact
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Legislation:

Fumaric Acid has been approved by the Food and Drug Administration of India for use in the food products under Prevention of Food Adulteration act, Government Gazette Notification 1972.

Fumaric Acid has been accorded Generally Recognised As Safe (GRAS) status by Food & Drug Administration of USA.

Joint Expert Committee on Food Additives of FAO, Rome and WHO, Geneva has given approval for use of Fumaric acid in Food Products.

Various tests conducted by different health bodies have cleared Fumaric acid as being safe for human beings.

Storage & Handling:

Fumaric Acid is slightly inflammable. It should be stored away from sources of ignition. While handling Fumaric acid Safety Goggles, Dust Respirator and Rubber Gloves are recommended.

Uses:

Fumaric Acid can replace traditional acidulants in the preparation of fruit juice drinks at substantial material and cost savings.

In Pharmaceutical industry, Fumaric Acid finds a major use for Ferrous Fumarate.