L - Malic Acid
China

MOLECULAR FORMULA: $C_4H_6O_5$

MOLECULAR WEIGHT: 134.09

DESCRIPTION: White crystals or crystalline powder.

STRUCTURAL FORMULA: HO - CH - COOH
CH2 - C00H

SOLUBILITY: Fairly hygroscopic, dissolves readily in water and alcohol.

FUNCTIONAL USE: An important natural organic acid, an ideal additive in foodstuffs and is widely distributed in vegetables and fruits; used in the acids for wine, acid drinks fruit juice, soda water and various soft drinks. An acids for fruit processing, stabilizer of color and adjustment of acids. Condiment or salt free diets for kidney disease patients.

PACKAGING AND STORAGE: 25 kg net in fiber drum inner plastic bags. Kept in cool and dry place.

ANALYSIS:

Assay	99.0% Min	
Specific Rotation [a] 2/D	-1.6 - 2.6 (H_2O)	
Arsenic (as As)	2 PPM Max	
Heavy Metals (Pb)	20 PPM Max	
Residue on ignition	0.05% Max	
Chloride	0.004% Max	
Sulfate	0.03% Max	
Fumaric Acid	0.1% Max	
Maleic Acid	0.05% Max	
State of solution	Clarification	
Readily oxidizable substances	Qualified	DW/99

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