



The Chemical Company
19 Narragansett Avenue
Jamestown, RI 02835
Phone: (401) 423- 3100

Product Specification - Malic Acid

Product	DL- Malic Acid , FCC Food Grade
Chemical Formula	$C_4H_6O_5$
Description	Specification
Appearance	White Crystalline Granular/ Fine Granular/ Powder
Odor	Little or no odor
Assay (as DL Malic Acid) on dry basis, wt. %	99.5 min.
Maleic Acid, wt. %	0.05 max.
Fumaric acid, wt. %	1.0 max.
Residue on ignition, wt. %	0.05 max.
Moisture, wt. %	0.3 max.
Color – 10% solution, APHA	10 max.
Heavy Metals (as Pb), ppm	10 max.
Lead (as Pb), ppm	2 max.
Arsenic (as As), ppm	1 max.
Water insoluble matter, wt. %	0.1 max.
Specific Rotation	-0.10° to +0.10°

Granulations:

Granular

100% passing through USS 10 mesh

10% Max. passing through USS 50 mesh

Fine Granular

99% Min. passing through USS 25 mesh

5% Max. passing through USS 100 mesh

Powder

75% Min. passing through USS 50 mesh