



## PRODUCT SPECIFICATION

**Product:** MALIC ACID FOOD GRADE, FCC  
**C.A.S. NO.:** 617-48-1  
**FORMULA:**  $C_4H_6O_5$

**DESCRIPTION:** White or nearly white crystalline granular with a smooth tart taste. Material is the DL - form of Malic Acid and optically inactive.

Item	Specification
Identification	Positive for Malic acid
Assay, %	99.0 – 100.5
Fumaric acid, %	1.00 max
Maleic Acid, %	0.05% max
Heavy metals (as Pb), ppm	10 max
Lead, ppm	2 max
Residue on ignition, %	0.10 max
Water insoluble matter, %	0.10 max
Moisture, %	0.30 max
Specific Rotation	Between $-0.10^\circ$ and $+0.10^\circ$

**PARTICLE SIZE:**

On 25 mesh (710 micron) 1% max.

Through 100 mesh (150 micron) 5% max.