

REV	DATED
3	Feb 15, 2024
1	April 14, 2023
2	Aug 21, 2023

MALIC ACID REGULAR

Ph Eur and USP/NF Compliant

FORMULA: C₄H₆O₅
CAS Number: 6915-15-7
EC Number: 230-022-8
E Number E296
Molecular weight: 134.09 g/mol

DESCRIPTION: White or almost white, crystalline powder.
Freely soluble in water and in alcohol, sparingly soluble in acetone

SPECIFICATION:

Identification by IR: Positive for Malic Acid
Melting Point: 128 – 132 °C
Assay (anhydrous): 99.0 – 101.0%
Assay (as is): 99.0 – 100.5%
Fumaric Acid (A): 1.0% max.
Maleic Acid (B): 0.05% max.
Any Other Impurity (HPLC): 0.1% max.
All Other Impurities (HPLC): 0.5% max.
Water (Ph Eur): 2.0% max.
Sulfated Ash: 0.1% max.
Water-Insoluble Substances: 0.1% max.
Optical Rotation: -0.10° to +0.10°
Clarity of 20% solution: Clear and Colorless

Particle Size: On a US #25 mesh screen (711 micron) – 1.0% max.
Through a US #100 mesh screen (150 micron) – 5.0% max.

PACKAGING: Multi-wall, paper bags and/or Super Sacks
Wooden pallet
Shrink-wrap

PRODUCTION SITE: Stoney Creek, Ontario, Canada

STORAGE: Clean, dry (<75% RH), ambient conditions.

SHELF LIFE: 24 Months from the date of production under recommended storage conditions.