

PRODUCT SPECIFICATIONS

REV	DATED
3	April 5, 2024
1	April 14, 2023
2	Aug 21, 2023

MALIC ACID POWDER

MALIC ACID - USP/NF and Ph Eur

Formula:	$C_4H_6O_5$
CAS Number:	6915-15-7
EC Number:	230-022-8
E Number	E296
Molecular weight:	134.09 g/mol

DESCRIPTION:

White or nearly white crystals with a smooth tart taste.

SPECIFICATION:

Identification by IR:		Positive for Malic Acid
Assay (As Is):		99.0 - 100.5%
Assay (Anhydrous)		99.0 - 101.0%
Fumaric Acid:		1.0% max.
Maleic Acid:		0.05% max.
Any Other Impurity (HPLC):		0.1% max.
All Other Impurities (HPLC):		0.5% max.
Water (Ph Eur):		2.0% max.
Residue on Ignition (Sulfated Ash):		0.1% max.
Water Insoluble Matter:		0.1% max.
Optical Rotation:		-0.10° to +0.10°
Clarity of a 20% Solution:		Clear and Colourless
Particle Size: Through a US #60 mesh screen (249 micron) – 90.0% min.		
PACKAGING:	Multi-wall, paper	bags and/or Super Sacks

 PRODUCTION SITE:
 Number Stores

 Storey Creek, Ontario, Canada

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

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

PROD-SPEC-MA-POWDER-USPNF Ph Eur