



BARTEK Ingredients Inc.

A Taste for Today and Tomorrow

DL-MALIC ACID POWDER, USP/NF and PhEur GRADE compliant

FORMULA: $C_4H_6O_5$

CAS Number: 6915-15-7

EINECS Number: 230-022-8

EC Number: 296

DESCRIPTION: White or nearly white crystals with a smooth tart taste.

SPECIFICATION:

Identification by IR:	Positive for Malic Acid
Appearance of Solution:	Clear, Colourless
Melting Point:	128° – 132° C
Assay:	99.0 - 100.5%
Fumaric Acid:	1.0% max.
Maleic Acid:	0.05% max.
Heavy Metals:	20 ppm max.
Residue on Ignition:	0.1% max.
Water Insoluble Matter:	0.1% max.
Moisture:	2.0% max.
Optical Rotation:	-0.10° to +0.10°

Particle Size:

Through a US mesh screen #60 (250 micron) - 99% min.

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.

Date Issued: February 8, 2016

Supersedes: June 17, 2013