



**BARTEK** Ingredients Inc.

A Taste for Today and Tomorrow

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

**FORMULA:** C<sub>4</sub>H<sub>6</sub>O<sub>5</sub>

**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:

On a US mesh screen #25 (710 micron) – 1.0% max.

Through a US mesh screen #100 (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.

Date Issued: February 8, 2016

Supersedes: June 17, 2013