



**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
Assay:	99.0 - 100.5%
Fumaric Acid:	1.00% max.
Maleic Acid:	0.05% max.
Heavy Metals:	10 ppm max.
Residue on Ignition:	0.10% max.
Water Insoluble Matter:	0.10% max.
Moisture:	0.30% max.
Organic Volatile Impurities:	ND
Melting Point:	128 - 132°C
Appearance of Solution:	Clear, Colourless
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.

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Supersedes: July 15, 2011