



BARTEK Ingredients Inc.

A Taste for Today and Tomorrow

BARTEK MALIC ACID, GENERAL, FCC

FORMULA: C₄H₆O₅

C.A.S. NO.: 617-48-1

E.C. NUMBER: 296

Bartek's Malic Acid conforms to the current edition of the Food Chemicals Codex.

DESCRIPTION: White or nearly white crystalline granular with a smooth tart taste. Material is the DL - form of Malic Acid and optically inactive.

<u>SPECIFICATIONS:</u>	Identification:	Positive for Malic Acid
	Assay:	Not less than 99.0% and not more than 100.5% of C ₄ H ₆ O ₅
	Fumaric Acid:	1.00% max.
	Maleic Acid:	0.05% max.
	Heavy Metals (as Pb):	10 ppm max.
	Lead:	2 ppm max.
	Residue on Ignition:	0.10% max.
	Water Insoluble Matter:	0.10% max.
	Moisture:	*0.30% max.
	Specific Rotation:	Between -0.10° and +0.10°

PARTICLE SIZE:

Coarse	On	10 mesh (2000 micron)	0%
	Through	50 mesh (300 micron)	10% max.
Regular	On	25 mesh (710 micron)	1% max.
	Through	100 mesh (150 micron)	5% max.
Powder	Through	60 mesh (250 micron)	99% min.

PACKAGING:

Coarse/Regular 25 kg/50 lbs.(22.75 kg.) multiwall paper bags palletized on 40"(101.6 cm) x 48"(121.9 cm) standard wooden pallet and shrink-wrapped.
Bulk bags of various weights.

Powder 25 kg multiwall paper bags palletized on 40"(101.6 cm) x 48"(121.9 cm) standard wooden pallet and shrink-wrapped.

PRODUCTION POINT: Stoney Creek, Ontario, Canada

STORAGE: Clean, dry, ambient conditions.

SHELF LIFE: Two years from the date of production under the recommended storage conditions.

***Bartek's upper moisture limit**

Date Issued: September 16, 2008
Supersedes: March 7, 2008