



BARTEK Ingredients Inc.

A Taste for Today and Tomorrow

DL-MALIC ACID COARSE, FOOD GRADE - Food Chemical Codex (FCC) compliant

FORMULA: C₄H₆O₅
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:	Positive for Malic Acid
Assay:	99.0 - 100.5%
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:	-0.10° to + 0.10°

Particle Size:
On a US mesh screen #10 (2000 micron) - 0%
Through a US mesh screen #50 (300 micron) - 10% 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.

!!! NOT FOR PHARMACEUTICAL USE !!!

Please contact Bartek Ingredients Inc. if USP/NF grade is required.

Date Issued: July 15, 2011
Supersedes: November 5, 2009