

REV	DATED
0	May 1, 2020
1	April 17, 2023

## MALIC ACID COARSE- FOOD GRADE

### Food Chemical Codex (FCC) 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  
Assay: 99.0 - 100.5%  
Fumaric Acid: 1.0% max.  
Maleic Acid: 0.05% max.  
Lead: 2 mg/kg max.  
Residue on Ignition: 0.1% max.  
Water Insoluble Matter: 0.1% max.  
Specific Rotation: -0.10° to +0.10°

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