

**MAP6010 - EU No 231/2012 compliant**  
**MALIC ACID POWDER, FOOD GRADE**

**FORMULA:** C<sub>4</sub>H<sub>6</sub>O<sub>5</sub>  
**EINECS Number:** 230-022-8, 210-514-9, 202-601-5  
**EC Number:** 296  
**Molecular weight:** 134,09

**DESCRIPTION:** White or nearly white crystalline powder granules.

**SPECIFICATION:**

Identification (test for malate):	Passes test
Sulphated ash:	0.1% max.
Melting range:	127 - 132° C
Assay:	99.0% min.
Fumaric Acid:	1.00% max.
Maleic Acid:	0.05% max.
Arsenic:	3 mg/kg max.
Lead:	2 mg/kg max.
Mercury:	1 mg/kg max.

Particle Size:  
Through a US mesh screen #60 (250 micron) - 90% 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.

**!!! NOT FOR PHARMACEUTICAL USE !!!**

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

Date Issued: December 22, 2021  
Supersedes: December 16, 2021