



**BARTEK** Ingredients Inc.

A Taste for Today and Tomorrow

## **FUMARIC ACID POWDER SPECIAL, FOOD GRADE – EU No 231/2012 compliant**

**FORMULA:** C<sub>4</sub>H<sub>4</sub>O<sub>4</sub>  
**EINECS Number:** 203-743-0  
**EC Number:** 297  
**Molecular weight:** 116,07

**DESCRIPTION:** White or nearly white crystals, odourless with tart taste.

### **SPECIFICATION:**

#### Identification

- Test for double bonds: Passes test
- Test for 1,2 dicarboxylic acid: Passes test

pH: 3.0 – 3.2 (0.05% solution at 25° C)  
Melting range: 286 – 302 ° C (closed capillary, rapid heating)  
Assay: 99.0% min. (anhydrous)  
Maleic Acid: 0.1% max.  
Loss on drying: 0.5% max. (120° C, 4 hrs)  
Sulphated ash: 0.1% max.  
Arsenic: 3 mg/kg max.  
Lead: 2 mg/kg max.  
Mercury: 1 mg/kg max.

#### Particle Size:

On a US mesh screen #60 (250 micron) - 1% max.  
Thru a US mesh screen #140 (106 micron) - 45% 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 minimum from the date of production under recommended storage conditions.

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

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

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