

REV	DATED
3	June 18, 2024
1	April 5, 2024
2	June 5, 2024

FUMARIC ACID POWDER - FOOD GRADE

FUMARIC ACID – FCC, EU 231/2012

Formula: C₄H₄O₄
CAS Number: 110-17-8
EC Number: 203-743-0
E Number: E297
Molecular Weight: 116.07 g/mol

DESCRIPTION: White crystalline powder or granules, odourless with tart taste

SPECIFICATION:

Appearance: Passes
Identification
- Identification by IR: Passes
- Test for double bonds: Passes
- Test for 1,2 dicarboxylic acid: Passes
pH (0.05% solution at 25 °C): 3.0 – 3.2
pH (1:30 aqueous solution): 2.0 – 2.5
Melting Range: 286 – 302 °C
Assay (Anhydrous): 99.5 – 100.5% min.
Maleic Acid: 0.1% max.
Water/Loss on Drying: 0.5% max.
Residue on Ignition (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 #60 mesh screen (250 micron): 1.0% max.
Through a US #80 mesh screen (180 micron): 65.0% min.
Through a US #200 mesh screen (75 micron): 8.0% 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