

REV	DATED
0	May 1, 2020
1	April 19, 2023
2	June 26, 2023

FUMARIC ACID POWDER FOOD GRADE

EU No 231/2012 Compliant

FORMULA: C₄H₄O₄
CAS Number: 110-17-8
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.
Through 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 from the date of production under recommended storage conditions.

!!! NOT FOR PHARMACEUTICAL USE !!!

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