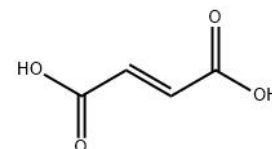


Technical Data Sheet

Fumaric acid

Compound Information

Product Name:	Fumaric acid
CAS No.:	110-17-8
Molecular Formula:	C ₄ H ₄ O ₄
Molecular Weight:	116.07
Revision Date:	2026-04-16



Analytical Information

Tests	Specifications
Description	White, granules , white crystals or crystalline powder. Melting point about 290°C.
Grade	USP-NF/JP
Solubility	95% ethanol: soluble 0.46g/10 mL, clear, colorless
Identification (By Chromatogram)	The retention time of the fumaric acid peak of the sample solution corresponds to that of the standard solution as obtained in the assay.
Identification (Chemical test 1)	The solution should show green-blue fluorescence
Identification (Chemical test 2)	The color of the test solution should disappears
Identification (By UV absorbance test)	The solution should show absorption maxima between 204 nm to 208 nm.
Clarity and colour of solution	The solution should clear and colorless
Sulfate	NMT 0.010%
Heavy metals	NMT 10 ppm
Arsenic	NMT 2 ppm
Limit of Maleic acid	NMT 0.1%
Limit of Malic acid	NMT 1.5%
Water	NMT 0.5%
Residue on ignition	NMT 0.05%
MS	Pass test
1H NMR	Pass test
IR	Pass test
Raman	Pass test

Disclaimer: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability & completeness of such information for his own particular use.