

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-07-17 17:17:17

Date of Next Testing: 2028-07-06 17:17:17

Product Name: **Maleic acid**

CAS Number: 110-16-7

Specifications & Purity: PharmPure™,USP,Ph.Eur.

Lot #: GMG2615656

SKU #: **M774660**

Version: **3**

Analysis #: **743873**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Assay(dry basis)	99-101 (%)	99.86000 %
Assay(HPLC)(calc.on dried substance)	98-102 (%)	99.40000 %
Iron(Fe)	0-5 (ppm)	0.00000 ppm
Fumaric acid	0-1 (%)	0.02000 %
Fumaric acid(TLC)	0-1.5 (%)	0.00000 %
Malic acid(HPLC)	0-0.5 (%)	0.03000 %
Sulfated Ash	0-0.1 (%)	0.01000 %
Water by Karl Fischer	0-0.5 (%)	0.16000 %
Melting point	133-137 (°C)	136.40000 °C
Heavy metals	0-10 (ppm)	0.01100 ppm
Appearance of solution	Conforms	Conforms
Identity	Passes test	Passes test
Identity(pH)	Passes test	Passes test
Identity (wet chemistry)	passes test	Passes test
Identity (IR-spectrum)	conforms	Conforms
Identity(TLC)	Passes test	Passes test
Residual solvents (ICH Q3C)(excluded by manufacturing process)	pass	Pass
Appearance(M774660)	white or almost white, crystalline powder	white or almost white, crystalline powder
Solubility:soluble in water and in ethanol (96 per cent)	Pass	Pass



QualityAssurance@aladdinsci.com

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A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager