

Certificate of Analysis

Date of Testing: 2023-12-15 14:54:02

Date of Next Testing: 2025-12-04 14:54:02

Product Name: **Maleic acid**

CAS Number: 110-16-7

Specifications & Purity: $\geq 99.0\%$ (HPLC)

Lot #: C2226302

SKU #: **M108864**

Analysis: 305167

Parameter	Limit Values	Result
Melting point	134-138 (°C)	136.12000 °C
Water by Karl Fischer	0-2 (%)	1.03 %
Purity(Neutralization titration)	98.5-101.5 (%)	98.96 %
Purity(HPLC)	99-100 (%)	99.25700 %
Ignition Residue	0-0.1 (%)	0.04 %
Appearance (M108864)	white powder or solid	white powder or solid
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , Colorless, Clear, 333 mg/ml	pass	Pass



John Su
QA & QC Manager