

Certificate of Analysis

Date of Testing: 2023-02-03 15:49:40

Date of Next Testing: 2025-01-23 15:49:40

Product Name: **Maleic acid**

CAS Number: 110-16-7

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

Lot #: A2331451

SKU #: **M108864**

Analysis: 182832

Parameter	Limit Values	Result
Melting point	134-138 (°C)	137.96000 °C
Water by Karl Fischer	0-2 (%)	0.39 %
Purity(Neutralization titration)	98.5-101.5 (%)	99.25 %
Purity(HPLC)	99-100 (%)	99.64100 %
Ignition Residue	0-0.1 (%)	0.06 %
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