

## Certificate of Analysis

Date of Testing: 2023-09-18 09:33:52  
Date of Next Testing: 2025-09-07 09:33:52  
Product Name: **Maleic acid**  
CAS Number: 110-16-7  
Specifications & Purity:  $\geq 99.0\%$  (HPLC)  
Lot #: F2404027  
SKU #: **M108864**  
Version: **1**  
Analysis #: **277129**  
Storage Temperature: Protected from light

Parameter	Limit Values	Result
Melting point	134-138 (°C)	136.20000 °C
Water by Karl Fischer	0-2 (%)	1.05 %
Purity(Neutralization titration)	98.5-101.5 (%)	99.20 %
Purity(HPLC)	99-100 (%)	99.01400 %
Ignition Residue	0-0.1 (%)	0.05 %
Appearance (M108864)	white powder or solid	white powder or solid
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H <sub>2</sub> O , Colorless,Clear,333 mg/ml	pass	Pass



John Su  
QA & QC Manager