

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 #: K2130460
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 ₂ O , Colorless,Clear,333 mg/ml | pass | Pass |



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QA & QC Manager