

Aladdin warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Aladdin-e.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

Specification Sheet

Product Name: **L-(-)-Malic acid**
Specifications & Purity: **Chemically Pure**
SKU #: **M105696**

Parameter	Limit Values
Specific Rotation [α] ₂₀ /D(c=8.5 in H ₂ O)	-2.6--1.6 (°)
(As)Arsenic	0-2 (ppm)
Melting point	99-107 (°C)
Sulfate(SO ₄ ²⁻)	0-300 (ppm)
Chloride (Cl ⁻)	0-100 (ppm)
Purity(Neutralization titration)	98-102 (%)
fumaric acid	0-0.2 (%)
Sulfate Ash	0-0.2 (%)
Heavy metal (as Pb)	0-20 (ppm)
Appearance (M105696)	White Powder or Crystals
Solubility in H ₂ O , Solution transparent	pass

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