

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-Lactic Acid**  
 Specifications & Purity: High purity grade, 90%  
 SKU #: **L107596**  
 Version: **2**

### Parameter

### Limit Values

Chloride	0-0.001 (%)
Lead(Pb)	0-0.5 (ppm)
Sulfate(SO42-)	0-0.001 (%)
Color test (APHA)	0-10 (APHA)
Ignition Residue	0-0.01 (%)
Specific Rotation [α] <sub>D</sub> <sup>20</sup> (c=2.5 in 1.5mol/L NaOH sol.)	-15--10 (°)
Mercury	0-1 (ppm)
(As)Arsenic	0-0.0001 (%)
Methanol(CH3OH)	0-0.05 (%)
Iron(Fe)	0-0.0001 (%)
Density (20°C)	1.2-1.22 (g/ml)
Appearance (L107596)	Colorless to light yellow liquid
Citric acid, oxalic acid, tartaric acid, and phosphoric acid	is not muddy
Easy carbon compounds	does not change to dark gray
Identification (Acidic aqueous solution)	lactate positive reaction
Infrared spectrum	Conforms to Structure
Reducing sugars	No red precipitate
The ether insolubles	by EP
Volatile fatty acids	passes test
Purity (T)	89.5-90.5 (%)
Cyanide	0-1 (ppm)
Heavy metals	0-5 (ppm)
Calcium(Ca)	0-1 (ppm)

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