

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-03-23 16:13:43
Date of Next Testing: 2025-03-22 16:13:43
Product Name: **Methyl D-(+)-Lactate**
CAS Number: 17392-83-5
Specifications & Purity: $\geq 98\%$ (GC)
Lot #: I1501012
SKU #: **M132799**
Version: **1**
Analysis #: **196475**
Storage Temperature: Room temperature, Argon charged

| Parameter | Limit Values | Result |
|-------------------------------------|---|---|
| Density (20°C) | 1.092-1.096 | 1.09300 |
| Refractive index n ₂₀ /D | 1.411-1.415 | 1.41320 |
| Enantiometric Excess | 97-100 (%) | 98.96300 % |
| Purity(GC) | 98-100 (%) | 98.03400 % |
| Appearance (M132799) | Colorless to Almost colorless to light yellow clear liquid | Colorless to Almost colorless to light yellow clear liquid |
| Infrared spectrum | Conforms to Structure | Conforms to Structure |



John Su
QA & QC Manager