

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-07-04 14:28:19
 Date of Next Testing: 2028-07-03 14:28:19
 Product Name: **Sodium L-lactate**
 CAS Number: 867-56-1
 Specifications & Purity: reagent grade,60% in water
 Lot #: F2428214
 SKU #: **S108837**
 Version: **1**
 Analysis #: **365894**
 Storage Temperature: Store at 2-8°C,Argon charged

| Parameter | Limit Values | Result |
|--|-----------------------|-----------------------|
| Sulfate(SO42-) | 0-20 (ppm) | 1.40 ppm |
| PH | 6.5-8.5 | 7.23 |
| Refractive index n20/D | 1.422-1.425 | 1.42 |
| Calcium(Ca) | 0-20 (ppm) | 0.00 ppm |
| Iron(Fe) | 0-10 (ppm) | 0.00 ppm |
| Stereochemical purity(L-)isomer) | 95-100 (%) | 96.40 % |
| Heavy metal (as Pb) | 0-10 (ppm) | 1.40 ppm |
| Chloride (Cl-) | 0-50 (ppm) | 3.44 ppm |
| Specific Rotation[a]20/D(c=1 in H2O as Sodium L-lactate) | -13--12 (°) | -12.83300 ° |
| Assay(Total base) | 59-61 (%) | 60.53 % |
| Sodium(Na) | 12.1-12.6 (%) | 12.11 % |
| Appearance (S108837) | Colorless Liquid | Colorless liquid |
| Infrared spectrum | Conforms to Structure | Conforms to Structure |



John Su
QA & QC Manager