

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-11-25 13:52:56
 Date of Next Testing: 2028-11-24 13:52:56
 Product Name: **Sodium L-lactate**
 CAS Number: 867-56-1
 Specifications & Purity: AR, 60% in water
 Lot #: K2422573
 SKU #: **S108837**
 Version: **3**
 Analysis #: **434249**
 Storage Temperature: Store at 2-8°C, Argon charged

| Parameter | Limit Values | Result |
|--|-----------------------|-----------------------|
| Sulfate(SO42-) | 0-20 (ppm) | 0.00 ppm |
| PH | 6.5-8.5 | 6.96 |
| Refractive index n20/D | 1.422-1.425 | 1.42 |
| Calcium(Ca) | 0-20 (ppm) | 0.00 ppm |
| Stereochemical purity(L(-)isomer) | 95-100 (%) | 100.00 % |
| Chloride (Cl-) | 0-50 (ppm) | 32.00 ppm |
| Heavy metal (as Pb) | 0-0.0005 (%) | 0.00 % |
| Iron(Fe) | 0-0.0005 (%) | 0.00 % |
| Arsenic(As) | 0-0.0002 (%) | 0.00000 % |
| Assay(Total base) | 59-61 (%) | 60.98 % |
| Specific Rotation [α] ₂₀ /D(c=1 in H ₂ O)(dry basis) | -13~-12 (°) | -12.42000 ° |
| Sodium(Na) | 12.1-12.6 (%) | 12.10 % |
| Appearance (S108837) | Colorless Liquid | Colorless liquid |
| Infrared spectrum | Conforms to Structure | Conforms to Structure |



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A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager