

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-07-31 09:21:39
 Date of Next Testing: 2029-07-30 09:21:39
 Product Name: **Sodium L-lactate**
 CAS Number: 867-56-1
 Specifications & Purity: AR, 60% in water
 Lot #: G2525566
 SKU #: **S108837**
 Version: **3**
 Analysis #: **537534**
 Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Assay(Total base)	59-61 (%)	59.14500 %
pH	6.5-8.5	8.11000
Refractive index n ₂₀ /D	1.422-1.425	1.42380
Calcium(Ca)	0-20 (ppm)	0.00000 ppm
Stereochemical purity(L(-)-isomer)	95-100 (%)	99.85000 %
Chloride (Cl ⁻)	0-50 (ppm)	23.00000 ppm
Heavy metal (as Pb)	0-0.0005 (%)	0.00000 %
Iron(Fe)	0-0.0005 (%)	0.00000 %
Arsenic(As)	0-0.0002 (%)	0.00000 %
Sulfate(SO ₄ ²⁻)	0-280 (ppm)	272.00000 ppm
Sodium(Na)	8.0-12.6 (%)	8.34500 %
Specific Rotation [α] ₂₀ /D(c=1 in H ₂ O)(dry basis)	-13~-12 (°)	-12.83600 °
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