

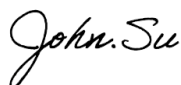
ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-10-25 18:51:22
 Date of Next Testing: 2026-10-24 18:51:22
 Product Name: **Sodium L-lactate**
 CAS Number: 867-56-1
 Specifications & Purity: reagent grade,60% in water
 Lot #: J2222470
 SKU #: **S108837**
Analysis: 136113
 Storage Temperature: Store at 2-8°C,Argon charged

Parameter	Limit Values	Result
Sulfate(SO ₄ ²⁻)	0-20 (ppm)	0.36 ppm
Sodium(Na)	12.1-12.6 (%)	12.24 %
PH	6.5-8.5	7.22
Refractive index n ₂₀ /D	1.422-1.425	1.42
Calcium(Ca)	0-20 (ppm)	0.00 ppm
Iron(Fe)	0-10 (ppm)	2.00 ppm
Stereochemical purity(L(-)isomer)	95-100 (%)	98.36 %
Heavy metal (as Pb)	0-10 (ppm)	2.36 ppm
Chloride (Cl ⁻)	0-50 (ppm)	6.32 ppm
Assay(Total base)	59-61 (%)	60.83 %
Specific Rotation[α] ₂₀ /D(c=1 in H ₂ O as Sodium L-lactate)	-13 ~ -12 (°)	-12.35620 °
Appearance (S108837)	Colorless Liquid	Colorless liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager