

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-11-25 14:05:12
 Date of Next Testing: 2028-11-24 14:05:12
 Product Name: **Sodium L-lactate**
 CAS Number: 867-56-1
 Specifications & Purity: AR, 60% in water
 Lot #: K2422572
 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". The signature is written in a cursive, flowing style.

John Su
QA & QC Manager