

Certificate of Analysis

Date of Testing: 2025-02-28 19:12:13

Date of Next Testing: 2029-02-27 19:12:13

Product Name: **Sodium L-lactate**

CAS Number: 867-56-1

Specifications & Purity: AR, 60% in water

Lot #: B2525432

SKU #: **S108837**

Version: **3**

Analysis #: **471433**

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	8.00
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)	11.69 ppm
Heavy metal (as Pb)	0-0.0005 (%)	0.00 %
Iron(Fe)	0-0.0005 (%)	0.00 %
Arsenic(As)	0-0.0002 (%)	0.00000 %
Specific Rotation [α]20/D(c=1 in H2O)(dry basis)	-13~-12 (°)	-12.10000 °
Assay(Total base)	59-61 (%)	60.61 %
Sodium(Na)	12.1-12.6 (%)	12.60 %
Appearance (S108837)	Colorless Liquid	Colorless liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



ALADDIN SCIENTIFIC CORPORATION

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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