

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-09-19 14:08:48
 Date of Next Testing: 2028-09-18 14:08:48
 Product Name: **Sodium L-lactate**
 CAS Number: 867-56-1
 Specifications & Purity: reagent grade,60% in water
 Lot #: I2410107
 SKU #: **S108837**
 Version: **2**
 Analysis #: **345380**
 Storage Temperature: Store at 2-8°C,Argon charged

Parameter	Limit Values	Result
Sulfate(SO42-)	0-20 (ppm)	13.00 ppm
Iron(Fe)	0-10 (ppm)	4.00 ppm
Heavy metal (as Pb)	0-10 (ppm)	4.00 ppm
Chloride (Cl-)	0-50 (ppm)	30.00 ppm
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in H}_2\text{O as Sodium L-lactate})$	-13--12 (°)	-12.21000 °
Stereochemical purity(L(-)isomer)	95-100 (%)	95.00 %
Calcium(Ca)	0-20 (ppm)	0.00 ppm
Refractive index $n_{20/D}$	1.422-1.425	1.42
PH	6.5-8.5	7.11
Sodium(Na)	12.1-12.6 (%)	12.31 %
Assay(Total base)	59-61 (%)	60.00 %
Appearance (S108837)	Colorless Liquid	Colorless liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager