

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-06-03 19:03:09  
Date of Next Testing: 2028-06-02 19:03:09  
Product Name: **Sodium L-lactate**  
CAS Number: 867-56-1  
Specifications & Purity: reagent grade, 60% in water  
Lot #: E2421068  
SKU #: **S108837**  
Version: **1**  
Analysis #: **178365**  
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Sulfate(SO <sub>4</sub> <sup>2-</sup> )	0-20 (ppm)	1.36 ppm
Assay(Total base)	59-61 (%)	60.55 %
Refractive index n <sub>20</sub> /D	1.422-1.425	1.42
Calcium(Ca)	0-20 (ppm)	0.00 ppm
Iron(Fe)	0-10 (ppm)	0.00 ppm
Stereochemical purity(L(-)isomer)	95-100 (%)	97.82 %
Heavy metal (as Pb)	0-10 (ppm)	2.38 ppm
Chloride (Cl <sup>-</sup> )	0-50 (ppm)	3.42 ppm
Specific Rotation[α] <sub>20</sub> /D(c=1 in H <sub>2</sub> O as Sodium L-lactate)	-13 ~ -12 (°)	-12.09200 °
Sodium(Na)	12.1-12.6 (%)	12.56 %
PH	6.5-8.5	6.70
Appearance (S108837)	Colorless Liquid	Colorless liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager