

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-11-24 16:35:23

Date of Next Testing: 2029-11-23 16:35:23

Product Name: **Sodium L-lactate**

CAS Number: 867-56-1

Specifications & Purity: AR, 60% in water

Lot #: K2517546

SKU #: **S108837**

Version: **3**

Analysis #: **596239**

Storage Temperature: Store at 2-8°C, Argon charged

| Parameter                                                                  | Limit Values          | Result                |
|----------------------------------------------------------------------------|-----------------------|-----------------------|
| Sulfate(SO <sub>4</sub> <sup>2-</sup> )                                    | 0-280 (ppm)           | 0.00000 ppm           |
| Sodium(Na)                                                                 | 8.0-12.6 (%)          | 8.76400 %             |
| pH                                                                         | 6.5-8.5               | 8.20000               |
| Refractive index n <sub>20</sub> /D                                        | 1.422-1.425           | 1.42490               |
| Calcium(Ca)                                                                | 0-20 (ppm)            | 0.00000 ppm           |
| Stereochemical purity(L(-)isomer)                                          | 95-100 (%)            | 100.00000 %           |
| Chloride(Cl <sup>-</sup> )                                                 | 0-50 (ppm)            | 19.00000 ppm          |
| Iron(Fe)                                                                   | 0-0.0005 (%)          | 0.00000 %             |
| Assay(Total base)                                                          | 59-61 (%)             | 60.89000 %            |
| Heavy metal (as Pb)                                                        | 0-0.0005 (%)          | 0.00000 %             |
| Arsenic(As)                                                                | 0-0.0002 (%)          | 0.00000 %             |
| Specific Rotation [α] <sub>20</sub> /D(c=1 in H <sub>2</sub> O)(dry basis) | -13~-12 (°)           | -12.19000 °           |
| Appearance (S108837)                                                       | Colorless Liquid      | Colorless liquid      |
| Infrared spectrum                                                          | Conforms to Structure | Conforms to Structure |



QualityAssurance@aladdinsci.com

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A handwritten signature in black ink that reads "John Su".

John Su  
QA & QC Manager