

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-10-16 11:11:43

Date of Next Testing: 2025-10-05 11:11:43

Product Name: **Lactobionic acid**

CAS Number: 96-82-2

Specifications & Purity:  $\geq 97\%$

Lot #: A2224289

SKU #: **L109639**

Version: **1**

Analysis #: **285502**

Storage Temperature: Room temperature

| Parameter                                                                            | Limit Values              | Result                    |
|--------------------------------------------------------------------------------------|---------------------------|---------------------------|
| Purity (Back Titration by HCl)                                                       | 96.5-103.5 (%)            | 99.26000 %                |
| Specific Rotation $[\alpha]_{20/D}(c=8.8 \text{ in H}_2\text{O})(\text{after 4hrs})$ | 21-27 (°)                 | 23.68500 °                |
| Water by Karl Fischer                                                                | 0-5 (%)                   | 2.48000 %                 |
| Appearance (L109639)                                                                 | White or off-white powder | White or off-white powder |
| Infrared spectrum                                                                    | Conforms to Structure     | Conforms to Structure     |
| Solubility,Clear,Colorless,5% in H <sub>2</sub> O                                    | pass                      | Pass                      |



John Su  
QA & QC Manager