

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-07-29 16:27:44

Date of Next Testing: 2029-07-28 16:27:44

Product Name: **DL-Dithiothreitol**

CAS Number: 3483-12-3

Specifications & Purity:  $\geq 99\%$

Lot #: G2511238

SKU #: **D104859**

Version: **1**

Analysis #: **544914**

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

| Parameter                                                                 | Limit Values          | Result                |
|---------------------------------------------------------------------------|-----------------------|-----------------------|
| Purity(Iodometric Titration)                                              | 98.5-101.5 (%)        | 98.63100 %            |
| Purity(HPLC)                                                              | 98-100 (%)            | 99.12100 %            |
| Melting point                                                             | 41-45 (°C)            | 42.61000 °C           |
| Appearance (D104859)                                                      | White Solid           | White Solid           |
| Infrared spectrum                                                         | Conforms to Structure | Conforms to Structure |
| Solubility, Colorless to faint yellow, clear (50 mg/mL, H <sub>2</sub> O) | pass                  | Pass                  |



John Su  
QA & QC Manager