

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-06-02 11:56:10  
Date of Next Testing: 2027-06-01 11:56:10  
Product Name: **L-Dithiothreitol**  
CAS Number: 16096-97-2  
Specifications & Purity: 95%  
Lot #: E2326631  
SKU #: **D121076**  
**Analysis: 220183**  
Storage Temperature: Store at -20°C, Argon charged

Parameter	Limit Values	Result
Melting point	48-53 (°C)	51.60000 °C
Specific Rotation [α] <sub>20</sub> /D(c=2.5 in MeOH)	22-28 (°)	25.70°
Purity(Iodometric Titration)	94.5-105.5 (%)	98.10%
Solubility, Colorless, clear to lightly hazy (50 mg/ml pass of H <sub>2</sub> O)		Pass
Proton NMR spectrum	Conforms to structure	Conforms to Structure
Appearance(D121076)	White to Almost white powder to crystal	White to Almost white powder to crystal



John Su  
QA & QC Manager