

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-07-29 11:25:05

Date of Next Testing: 2029-07-28 11:25:05

Product Name: **DL-Dithiothreitol**

CAS Number: 3483-12-3

Specifications & Purity: for electrophoresis, ≥99%

Lot #: G2511240

SKU #: **D104861**

Version: **1**

Analysis #: **533987**

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

Parameter	Limit Values	Result
Melting point	41-44 (°C)	42.61000 °C
UV Absorbance 280nm	0-0.04	0.01020
PH(25 °C, 0.1 M in Water)	4-6.5	5.26800
Sulfate(SO42-)	0-50 (ppm)	1.26300 ppm
Heavy metal (as Pb)	0-10 (ppm)	0.52400 ppm
Purity(HPLC)	99-100 (%)	99.12100 %
Appearance (D104861)	white powder or solid	white powder or solid
Solubility in H2O , 50mg/ml, clear, colorless	pass	Pass
Test for use in reduced SDS-PAGE	Pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager