

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-11-24 13:31:24
 Date of Next Testing: 2029-11-23 13:31:24
 Product Name: **DL-Dithiothreitol**
 CAS Number: 3483-12-3
 Specifications & Purity: for electrophoresis, ≥99%
 Lot #: K2519452
 SKU #: **D104861**
 Version: **1**
 Analysis #: **604950**
 Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Melting point	41-44 (°C)	43.41000 °C
UV Absorbance 280nm	0-0.04	0.02000
PH(25 °C, 0.1 M in Water)	4-6.5	5.20000
Sulfate(SO42-)	0-50 (ppm)	2.95000 ppm
Heavy metal (as Pb)	0-10 (ppm)	3.00000 ppm
Purity(HPLC)	99-100 (%)	99.58700 %
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