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ALADDIN SCIENTIFIC CORPORATION
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Certificate of Analysis

Date of Testing:	2025-12-25 11:16:33
Date of Next Testing:	2029-12-24 11:16:33
Product Name:	**DL-Dithiothreitol**
CAS Number:	3483-12-3
Specifications & Purity:	for electrophoresis, ≥99%
Lot #:	L2517006
SKU #	**D104861**
Version	**1**
Analysis #:	**533987**
Storage Temperature:	Store at 2-8°C,Argon charged

Parameter	**Limit Values**	**Result**
Melting point	41-44（℃）	42.61000 ℃
UV Absorbance 280nm	0-0.04	0.01
PH(25 ℃, 0.1 M in Water)	4-6.5	5.27
Sulfate(SO42-)	0-50（ppm）	1.26 ppm
Heavy metal（as Pb）	0-10（ppm）	0.52 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

John Su
QA & QC Manager