

Certificate of Analysis

Date of Testing: 2023-06-02 11:55:43
Date of Next Testing: 2027-06-01 11:55:43
Product Name: **L-Dithiothreitol**
CAS Number: 16096-97-2
Specifications & Purity: 95%
Lot #: E2326632
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] ₂₀ /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 ₂ 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