

Certificate of Analysis

Date of Testing: 2024-10-25 18:00:58

Date of Next Testing: 2028-10-24 18:00:58

Product Name: **L-Dithiothreitol**

CAS Number: 16096-97-2

Specifications & Purity: $\geq 95\%$

Lot #: J2416236

SKU #: **D121076**

Version: **5**

Analysis #: **082526**

Storage Temperature: Store at -20°C, Argon charged

Parameter	Limit Values	Result
Melting point	48-53 (°C)	51.40000 °C
Specific Rotation $[\alpha]_{20/D(c=2.5 \text{ in MeOH})}$	22-28 (°)	23.80°
Purity(Iodometric Titration)	94.5-105.5 (%)	97.50 %
Solubility, Colorless, clear to lightly hazy(50 mg/ml of H ₂ O)	pass	Pass
Proton NMR spectrum	Conforms to structure	Conforms to Structure
Appearance(D121076)	white crystalline powder	white crystalline powder



John Su
QA & QC Manager