

Certificate of Analysis

Date of Testing: 2024-11-29 11:31:10

Date of Next Testing: 2027-11-29 11:31:10

Product Name: **(R)-(+)- α -Lipoic acid**

CAS Number: 1200-22-2

Specifications & Purity: Moligand™, ≥98%

Lot #: K2425313

SKU #: **D118666**

Version: **0**

Analysis #: **432868**

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

Parameter	Limit Values	Result
Melting point	47-51 (°C)	50.69000 °C
Purity(HPLC)	98-100 (%)	100.00000 %
Specific Rotation [α] _{20/D} (c=1 in EtOH)	110-129 (°)	110.10 °
Appearance (D118666)	White to Yellow Crystals to Powder and/or Chunks	White to Yellow Crystals to Powder and/or Chunks
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager