

## Certificate of Analysis

Date of Testing: 2024-09-26 15:36:08  
Date of Next Testing: 2028-09-25 15:36:08  
Product Name: **L-Noradrenaline**  
CAS Number: 51-41-2  
Specifications & Purity: Moligand™, ≥98%  
Lot #: I2424527  
SKU #: **N109573**  
Version: **0**  
Analysis #: **409704**  
Storage Temperature: Store at 2-8°C, Protected from light, Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.24200 %
Specific Rotation [α] <sub>20</sub> /D(c=5 in 1 M HCl)	-48--42 (°)	-42.72 °
Appearance (N109573)	White to Light Brown Powder, Crystals, Solid, Chunks	White to Light Brown Powder, Crystals, Solid, Chunks
Solubility in 0.5 M HCl, Colorless to Light Yellowpass Clear to Hazy(50mg/ml)		Pass
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager