

Certificate of Analysis

Date of Testing: 2024-11-26 15:42:35

Date of Next Testing: 2028-11-25 15:42:35

Product Name: **L-dopa**

CAS Number: 59-92-7

Specifications & Purity: Moligand™, ≥99%

Lot #: K2425295

SKU #: **D111048**

Version: **1**

Analysis #: **437683**

Storage Temperature: Protected from light, Argon charged

Parameter	Limit Values	Result
Carbon by Elemental Analysis	53.7-55.9 (%)	54.13 %
Purity(HPLC)	99-100 (%)	99.97900 %
Specific Rotation [α] ₂₀ /D(c=5 in 1mol/L HCl)	-13--11 (°)	-11.66 °
Nitrogen by Elemental Analysis	6.5-7.6 (%)	7.22
Appearance (D111048)	White to Off-White Powder	White to Off-White Powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in 0.5 M HCl , Colorless to Light Yellow Clear to Hazy(50mg/ml)	pass	Pass
Solubility in 1 M HCl	Almost transparency	almost transparency



John Su
QA & QC Manager