

Certificate of Analysis

Date of Testing: 2024-05-09 10:45:11

Date of Next Testing: 2028-05-08 10:45:11

Product Name: **L-dopa**

CAS Number: 59-92-7

Specifications & Purity: 99%

Lot #: D2428030

SKU #: **D111048**

Analysis: **113382**

Storage Temperature: Protected from light, Argon charged

Parameter	Limit Values	Result
Carbon by Elemental Analysis	53.7-55.9 (%)	54.76 %
Purity(Nonaqueous Titration)	98.5-101.5 (%)	99.66 %
Nitrogen by Elemental Analysis	6.5-7.6 (%)	6.84 %
Specific Rotation $[\alpha]_{20/D(c=5 \text{ in } 1\text{mol/L HCl})}$	-13--11 (°)	-11.22 °
Purity(HPLC)	99-100 (%)	99.20700 %
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