

Certificate of Analysis

Date of Testing: 2024-09-06 14:09:40
Date of Next Testing: 2026-08-27 14:09:40
Product Name: **Rapamycin**
CAS Number: 53123-88-9
Specifications & Purity: $\geq 98\%$ (HPLC)
Lot #: H2428321
SKU #: **S115842**
Version: **1**
Analysis #: **392179**
Storage Temperature: Store at -20°C , Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.00300 %
Nitrogen by Elemental Analysis	1.2-1.7 (%)	1.62 %
Specific Rotation $[\alpha]_{20/D}(c=0.2 \text{ in MeOH})$	-155--145 ($^{\circ}$)	-153.46 $^{\circ}$
Carbon by Elemental Analysis	66.5-67.5 (%)	66.76 %
Appearance (S115842)	White to Yellow Powder	White to Yellow Powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in CHCl_3 , colour, to Pale Yellow to Yellow, Clear, 4.90-5.10 mg/ml	Pass	Pass



John Su
QA & QC Manager