

Certificate of Analysis

Date of Testing: 2022-02-17 20:44:58
Date of Next Testing: 2024-02-07 20:44:58
Product Name: **Rapamycin**
CAS Number: 53123-88-9
Specifications & Purity: $\geq 98\%$ (HPLC)
Lot #: D2009140
SKU #: **S115842**
Analysis: **074866**
Storage Temperature: Store at -20°C , Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	98.15000%
Nitrogen by Elemental Analysis	1.2-1.7 (%)	1.43%
Specific Rotation $[\alpha]_{20/D}(c=0.2 \text{ in MeOH})$	-155--145 ($^{\circ}$)	-149.89 $^{\circ}$
Carbon by Elemental Analysis	66.5-67.5 (%)	67.48%
Appearance (S115842)	White to Yellow Powder	White to Yellow Powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in CHCl_3 , Pale Yellow to Yellow , Clear, 4.90 - 5.10 mg/ml	pass	Pass



John Su
QA & QC Manager