

Certificate of Analysis

Date of Testing: 2022-01-25 12:45:46
Date of Next Testing: 2024-01-15 12:45:46
Product Name: **Rapamycin**
CAS Number: 53123-88-9
Specifications & Purity: $\geq 95\%$ (HPLC)
Lot #: A2221042
SKU #: **S293790**
Analysis: **008741**
Storage Temperature: Store at -20°C , Argon charged

Parameter	Limit Values	Result
Nitrogen by Elemental Analysis	1.2-1.7 (%)	1.23 %
Purity(HPLC)	95-100 (%)	95.00880 %
Specific Rotation $[\alpha]_{20/D}(c=0.2 \text{ in MeOH})$	-155--145 ($^{\circ}$)	-152.00 $^{\circ}$
Carbon by Elemental Analysis	66.5-67.5 (%)	67.49 %
Appearance (S293790)	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