

## Certificate of Analysis

Date of Testing: 2024-02-23 13:22:51  
Date of Next Testing: 2026-02-12 13:22:51  
Product Name: **Rapamycin**  
CAS Number: 53123-88-9  
Specifications & Purity:  $\geq 95\%$ (HPLC)  
Lot #: E2225235  
SKU #: **S293790**  
**Analysis:** **322983**  
Storage Temperature: Store at  $-20^{\circ}\text{C}$ , Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	95-100 (%)	96.25300%
Nitrogen by Elemental Analysis	1.2-1.7 (%)	1.52%
Specific Rotation $[\alpha]_{20/D}(c=0.2 \text{ in MeOH})$	-155--145 ( $^{\circ}$ )	-150.30 $^{\circ}$
Carbon by Elemental Analysis	66.5-67.5 (%)	66.90%
Appearance (S293790)	White to Yellow Powder	White to Yellow Powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in $\text{CHCl}_3$ , Pale Yellow to Yellow , Clear, 4.90 - 5.10 mg/ml	pass	Pass



John Su  
QA & QC Manager