

## Certificate of Analysis

Date of Testing: 2023-05-09 16:31:41  
 Date of Next Testing: 2025-04-28 16:31:41  
 Product Name: **Rapamycin**  
 CAS Number: 53123-88-9  
 Specifications & Purity:  $\geq 98\%$ (HPLC)  
 Lot #: E2305213  
 SKU #: **S115842**  
**Analysis:** **190047**  
 Storage Temperature: Store at  $-20^{\circ}\text{C}$ , Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	98.66900%
Nitrogen by Elemental Analysis	1.2-1.7 (%)	1.65%
Specific Rotation $[\alpha]_{20/D}(c=0.2 \text{ in MeOH})$	-155--145 ( $^{\circ}$ )	-154.67 $^{\circ}$
Carbon by Elemental Analysis	66.5-67.5 (%)	66.87%
Appearance (S115842)	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