

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-09-04 11:46:38  
 Date of Next Testing: 2026-08-25 11:46:38  
 Product Name: **Rapamycin**  
 CAS Number: 53123-88-9  
 Specifications & Purity:  $\geq 98\%$ (HPLC)  
 Lot #: K2228737  
 SKU #: **S115842**  
 Version: **1**  
 Analysis #: **406688**  
 Storage Temperature: Store at  $-20^{\circ}\text{C}$ , Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	98.40200 %
Nitrogen by Elemental Analysis	1.2-1.7 (%)	1.49 %
Specific Rotation $[\alpha]_{20/D}(c=0.2 \text{ in MeOH})$	-155--145 ( $^{\circ}$ )	-154.96 $^{\circ}$
Carbon by Elemental Analysis	66.5-67.5 (%)	67.13 %
Appearance (S115842)	White to Yellow Powder	White to Yellow Powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in $\text{CHCl}_3$ , colour to Pale Yellow to Yellow, Clear, 4.90-5.10 mg/ml	Pass	Pass



John Su  
QA & QC Manager