

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-10-19 13:33:48  
Date of Next Testing: 2024-10-08 13:33:48  
Product Name: **Rapamycin**  
CAS Number: 53123-88-9  
Specifications & Purity:  $\geq 98\%$ (HPLC)  
Lot #: J2215165  
SKU #: **S115842**  
**Analysis:** **097597**  
Storage Temperature: Store at  $-20^{\circ}\text{C}$ , Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.21300%
Carbon by Elemental Analysis	66.5-67.5 (%)	66.50%
Nitrogen by Elemental Analysis	1.2-1.7 (%)	1.20%
Specific Rotation $[\alpha]_{20/D}(c=0.2 \text{ in MeOH})$	-155--145 ( $^{\circ}$ )	-154.98 $^{\circ}$
Appearance (S115842)	White to Yellow Powder	White to Yellow Powder
Solubility in $\text{CHCl}_3$ , Pale Yellow to Yellow , Clear, 4.90 - 5.10 mg/ml	pass	Pass
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager