

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-05-09 16:29:22
Date of Next Testing: 2025-04-28 16:29:22
Product Name: **Rapamycin**
CAS Number: 53123-88-9
Specifications & Purity: $\geq 98\%$ (HPLC)
Lot #: E2305219
SKU #: **S115842**
Analysis: **190047**
Storage Temperature: Store at -20°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 CHCl_3 , Pale Yellow to Yellow , Clear, 4.90 - 5.10 mg/ml | pass | Pass |



John Su
QA & QC Manager