

Certificate of Analysis

Date of Testing: 2024-05-25 13:34:32
Date of Next Testing: 2026-05-15 13:34:32
Product Name: **Rapamycin**
CAS Number: 53123-88-9
Specifications & Purity: $\geq 98\%$ (HPLC)
Lot #: E2421162
SKU #: **S115842**
Version: **1**
Analysis #: **343290**
Storage Temperature: Store at -20°C , Argon charged

| Parameter | Limit Values | Result |
|---|---------------------------|---------------------------|
| Purity(HPLC) | 98-100 (%) | 98.19500 % |
| Nitrogen by Elemental Analysis | 1.2-1.7 (%) | 1.64 % |
| Carbon by Elemental Analysis | 66.5-67.5 (%) | 67.48 % |
| Specific Rotation $[\alpha]_{20/D}(c=0.2 \text{ in MeOH})$ | -155--145 ($^{\circ}$) | -154.79 $^{\circ}$ |
| Appearance (S115842) | White to Yellow Powder | White to Yellow Powder |
| Proton NMR spectrum | Conforms to Structure | Conforms to Structure |
| Solubility in CHCl_3 , colour to Pale Yellow to Yellow, Clear, 4.90-5.10 mg/ml | Pass | Pass |



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