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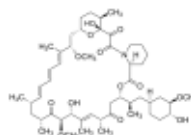
Outside USA: eurtechserv@sial.com

## Certificate of Analysis

Product Name:

Rapamycin from *Streptomyces hygroscopicus* - ≥95% (HPLC), powder

**Product Number:** R0395  
**Batch Number:** 049M4018V  
**Brand:** SIGMA  
**CAS Number:** 53123-88-9  
**Formula:** C51H79NO13  
**Formula Weight:** 914,17 g/mol  
**Storage Temperature:** Store at -20 °C  
**Quality Release Date:** 28 OCT 2018  
**Recommended Retest Date:** OCT 2020  
**Expiration Date:** OCT 2023



Test	Specification	Result
Appearance (Form)	Powder	Powder
Appearance (Colour)	White to Yellow	White
Solubility (Solvent)	Chloroform	Chloroform
Solubility (Conc)	4.90 - 5.10 mg/ml	5.00 mg/ml
Solubility (Turbidity)	Clear	Clear
Solubility (Color)	Pale Yellow to Yellow	Pale Yellow
Water (by Karl Fischer)	≤ 4.00 %	0.12 %
Elemental Anal. (%C anhydrous)	66.50 - 67.50 %	67.17 %
Elemental Anal. (%N anhydrous)	1.23 - 1.83 %	1.35 %
Purity (HPLC)	≥ 95.00 %	99.28 %
NMR (Solvent)	CDCl3	CDCl3
Identity by NMR	Consistent	Consistent with Control
Storage Conditions	Under Argon	Under Argon

Theo Ackermann PhD MScEng CQM  
 Manager, Quality and Regulatory Affairs  
 Jerusalem, Israel IL

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.