

HAIQIANG CHEMICALS CO., LTD

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CERTIFICATE OF ANALYSIS

NO: HOC081112103

	1101112001112100
Product name	Rapamycin
CAS Number	53123-88-9
Molecule Structure	HOOH NOH
Molecule Formula	C51H79NO13
Batch number	20111210
Manuf. Date&Exp.Date:	2011-12-10,2013-12-09
Testing Date:	2011-12-10

Items	Standard	Result
Description	An odorless,white to off-white crystalline powder	Conforms
Identification	1.Exhibit maxima at 267nm,277nm and 288nm 2.The retention times of the peaks for the cis-and trans-stereo isomers in the Chromatogram of the assay preparation corresponds to those of the Standard preparation as obtained in the Assay respectively. 3.The infrared absorption spectrum is concordant with the spectrum of sirolimus reference standard.	Conforms
Assay	99%min	99.5%
Heavy metals	≤20ppm	Conforms
Water	≤0.5%	0.1%
Ratio of isomer Trans-stereo isomer	≥95.0%	98.2%
Impurity	≤2.0%	0.23%



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