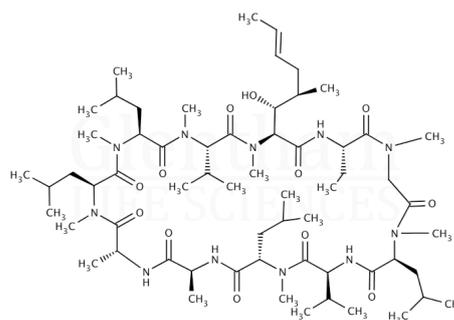


Certificate of Analysis

Product Name	Cyclosporin A, USP grade
Glentham Code	GA2331
CAS Number	59865-13-3
MDL Number	MFCD00274558
Batch Number	181EAX
Molecular Weight	1202.61
Molecular Formula	$C_{62}H_{111}N_{11}O_{12}$
Storage Temp.	+4°C



Property	Specification	Batch 181EAX
Physical Description	Colourless crystals, or white to almost white powder	White powder
Identification	According to USP	Conforms
Solubility (5% in DMSO)	Clear, colourless solution	Conforms
Heavy Metals	≤ 20ppm	Conforms
Any Individual Impurity	≤ 0.7%	0.4%
Total Impurities	≤ 1.5%	1.3%
Loss on Drying	≤ 2.0%	0.7%
Assay	98.5 - 101.5 % (dried basis)	99.8%
Pharmacopoeia Specification(s)	USP	Conforms to USP36

Specification Version	v1.0
Manufacture Date	2017-03-19
Re-Test Date	2025-07-13

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check www.glentham.com or contact us using the details above for the current version of this document.

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