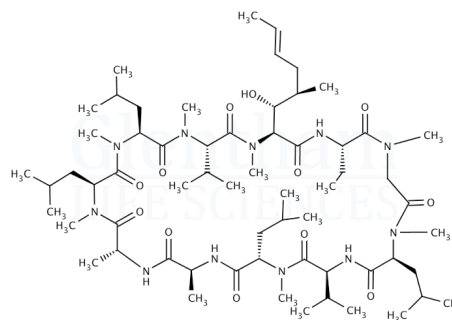


Certificate of Analysis

Product Name Cyclosporin A, USP grade
Glentham Code GA2331
CAS Number 59865-13-3
MDL Number MFCD00274558
Batch Number 626JUO

Molecular Weight 1202.61
Molecular Formula $C_{62}H_{111}N_{11}O_{12}$
Storage Temp. +4°C



Property	Specification	Batch 626JUO
Physical Description	Colourless crystals, or white to almost white powder	White powder
Identification	According to USP	Conforms
Solubility (5% in DMSO)	Clear, colourless solution	Clear, colourless solution
Heavy Metals	≤ 20ppm	≤ 10ppm
Any Individual Impurity	≤ 0.7%	0.1%
Total Impurities	≤ 1.5%	0.4%
Loss on Drying	≤ 2.0%	0.3%
Assay	98.5 - 101.5 % (dried basis)	99.2%
Pharmacopoeia Specification(s)	USP	Conforms

Specification Version v1.0
Manufacture Date 2022-09-01
Re-Test Date 2031-06-26

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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