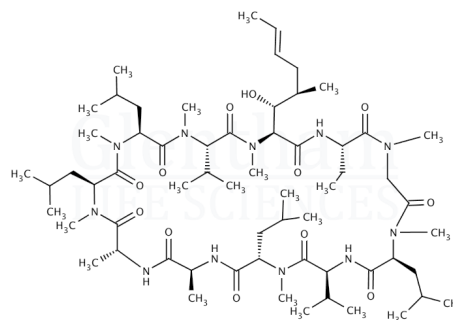


Certificate of Analysis

| | |
|-------------------|-----------------------------|
| 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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