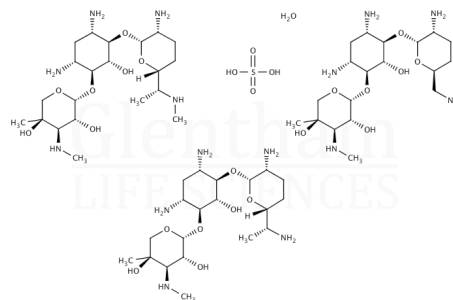


Certificate of Analysis

Product Name Gentamicin sulfate
Glentham Code GA7939
CAS Number 1405-41-0
EINECS 215-778-9
MDL Number MFCD00270181
Additional CAS 1403-66-3 (base)
PubChem SID 310274086
Batch Number 908BMN

Molecular Weight 575.67
Molecular Formula $C_{60}H_{127}N_{15}O_{26}S$
Storage Temp. +4°C



| Property | Specification | Batch 908BMN |
|--------------------------------|---|------------------|
| Physical Description | White to off-white powder | Off-white powder |
| Identification | To pass test | Conforms |
| Assay | ≥ 590IU/mg | 609IU/mg |
| Impurities | Any Impurity: ≤ 3.0% | Conforms |
| | Total Impurities: ≤ 10.0% | Conforms |
| Related Substances | Gentamicin C1: 25.0 - 50.0 % | 25.9% |
| | Gentamicin C1a: 10.0 - 35.0 % | 23.5% |
| | Gentamicin C2+C2a: 25.0 - 55.0 % | 50.6% |
| Solubility | Freely soluble in water, practically insoluble in ethanol | Conforms |
| pH | 3.5 - 5.5 (40mg/ml in water) | 4.8 |
| Water | ≤ 15.0% | 9.7% |
| Methanol | ≤ 1.0% | 0.0% |
| Sulphate | 32.0 - 35.0 % (anhydrous) | 33.6% |
| Sulphated Ash | ≤ 1.0% | 0.3% |
| Specific Optical Rotation | +107.0 - +121.0 ° | 120.0° |
| Bacterial Endotoxins | ≤ 0.71IU/mg | Conforms |
| Pharmacopoeia Specification(s) | BP | Conforms |

Specification Version v1.1
Manufacture Date 2023-03-25
Re-Test Date 2030-09-27

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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