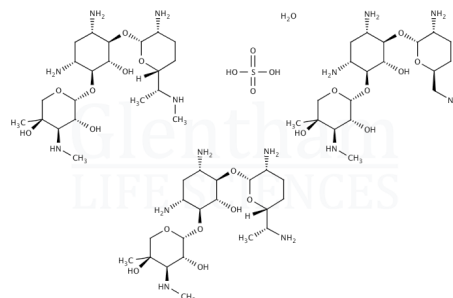


Certificate of Analysis

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 182TOJ

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



Property	Specification	Batch 182TOJ
Physical Description	White to off-white powder	Off-white powder
Identification	To pass test	Conforms
Assay	≥ 590IU/mg	611IU/mg
Impurities	Any Impurity: ≤ 3.0%	≤ 3.0%
	Total Impurities: ≤ 10.0%	≤ 10.0%
Related Substances	Gentamicin C1: 25.0 - 50.0 %	29.3%
	Gentamicin C1a: 10.0 - 35.0 %	27.1%
	Gentamicin C2+C2a: 25.0 - 55.0 %	43.6%
Solubility	Freely soluble in water, practically insoluble in ethanol	Conforms
pH	3.5 - 5.5 (40mg/ml in water)	4.7
Water	≤ 15.0%	11.3%
Methanol	≤ 1.0%	≤ 1.0%
Sulphate	32.0 - 35.0 % (anhydrous)	33.8%
Sulphated Ash	≤ 1.0%	0.3%
Specific Optical Rotation	+107.0 - +121.0 °	+119.2°
Bacterial Endotoxins	≤ 0.71IU/mg	≤ 0.71IU/mg
Pharmacopoeia Specification(s)	BP	BP

Specification Version v1.1
Manufacture Date 2027-07-01
Re-Test Date 2031-08-20

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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