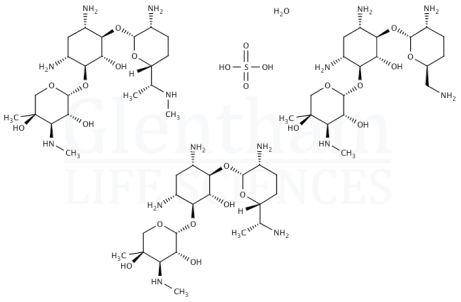
Glentham Life Sciences Ltd
Unit 5 Leafield Way
Corsham SN13 9SW
United Kingdom

t: +44 (0) 1225 667 798
f: +44 (0) 2033 978 909
e: info@glentham.com
w: www.glentham.com

Product Specification

Product Name	Gentamicin sulfate
Glentham Code	GA7939
CAS Number	1405-41-0
EINECS	215-778-9
MDL-Nummer	MFCD00270181
Zusätzliche CAS	1403-66-3 (base)
PubChem SID	310274086
Molecular Weight	575.67
Molecular Formula	$C_{60}H_{127}N_{15}O_{26}S$
Storage Temp.	+4°C



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

Specification Version	-	v1.1
Date Created	-	2020-09-25

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.

This document was generated electronically and is therefore valid without signature. © Glentham Life Sciences Ltd, 2025

Printed: 2025-05-04 05:17:26