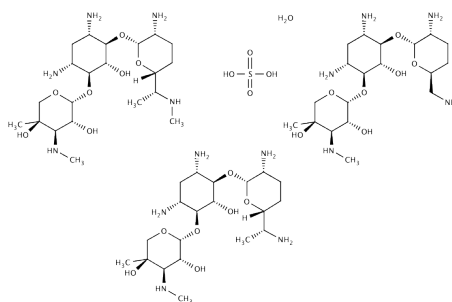


## Product Specification

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

Molecular Weight : 575.67  
Molecular Formula : C<sub>60</sub>H<sub>127</sub>N<sub>15</sub>O<sub>26</sub>S  
Storage Temp. : +4°C



Property	Specification
Physical Description	White to off-white powder
Assay	≥ 590IU/mg (anhydrous)
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	≤ 0.67IU/mg
Pharmacopoeia Specification(s)	BP

Specification Version : v1.0  
Date Created : 2013-10-30

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](http://www.glentham.com) or contact us using the details above for the current version of this document.

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