


Specification

Gentamycin sulfate *BioChemica*

A1492

Physical Description:	Solid
Product Code:	A1492
Product Name:	Gentamycin sulfate <i>BioChemica</i>
Specifications:	Activity (anhydrous subst.): approx. 600 I.U./mg $\alpha_{20^{\circ}\text{C/D}}; 10\%, \text{H}_2\text{O}: +107^{\circ} - +121^{\circ}$ pH (4 %; H_2O): 3.5 - 5.5 Water (K.F.): max. 15 % Sulfate: 32 - 35 %
Hazard pictograms	
WGK:	1
Storage:	RT
Signal Word:	Danger
GHS Symbols:	GHS08
H Phrases:	H317 H334
P Phrases:	P261 P280 P342+P311
Molecular Formula:	$\text{C}_{19-21}\text{H}_{39-43}\text{N}_5\text{O}_7 \cdot 2,5\text{H}_2\text{SO}_4$
M:	694.75 - 723.75 g/mol
CAS:	1405-41-0

AppliChem GmbH

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EINECS:	215-778-9
CS:	29419000
<p>Comment</p> <p>Gentamycin is an aminoglycoside antibiotic and was isolated from <i>Micromonospora</i> species (actinomycetales). The sulfate salt is soluble in water, formamide, ethylene glycol, 0.1 N NaOH or 0.1 N HCl at a concentration of > 20 mg/ml. It is insoluble in methanol, ethanol, acetone, benzene or chloroform. In solutions Gentamycin is very stable at -20°C to 37°C. Short autoclaving is possible. It may be employed in the pH range from 2.2 and 10 without loss of activity.</p>	

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