


Specification

**Gentamycin sulfate *BioChemica***

**A1492**

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

**AppliChem GmbH**

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<b>EINECS:</b>	215-778-9
<b>CS:</b>	29419000
<p><b>Comment</b></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 &gt; 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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