

# Specification

## Technical Data Sheet

<b>Product Name</b>	Neomycin sulfate
<b>Product No</b>	20446840
<b>CAS Number</b>	1405-10-3
<b>Storage Temperature</b>	Ambient
<b>Molecular Weight</b>	908.88
	<b>Specification</b>
<b>Appearance</b>	White to slightly yellow powder or cryodesiccated solid, odorless
<b>Grade</b>	Tested to USP specification
<b>Identification</b>	Conforms to reference
<b>Loss on Drying</b>	≤ 8.0%
<b>pH</b>	5.0 - 7.5
<b>Specific rotation</b>	+53.5 to +59.0° (dried substance)

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**Potency**  $\geq 600 \mu\text{g}/\text{mg}$  (dried basis)

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**Solubility** Very soluble in water, slightly soluble in ethanol (96%),  
practically insoluble in acetone.

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**Sulfated Ash (wt. %)**  $\leq 1.0\%$

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