

Version	00
Molecular weight	.00
Molecular Formula	
CAS No	1405-41-0
Linear Formula	
Flash Point (°C)	

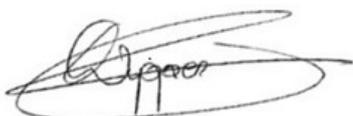
Certificate of Analysis

Products are processed under ISO 9001:2015 quality management systems and samples are tested for conformance to the noted specifications. Certain data may have been supplied by third parties. We disclaim the implied warranties of merchantability and fitness for a particular purpose, and the accuracy of third party data or information associated with the product. Products are for research and development use only. Products are not for direct administration to humans or animals. It is the responsibility of the final formulator or end user to determine suitability, and to qualify and/or validate each product for its intended use.

Catalog Number	45531	Quality Test / Release Date	07/03/2024
Lot Number	A0464239	Suggested retest date	07/03/2029
Description	Gentamicin sulfate		
Country of Origin	GERMANY		
Declaration of Origin	other		

BSE/TSE	
Chemical	

Result name	Specifications	Test Value
Appearance (Color)	White to yellow	light yellow
Appearance (Form)	Powder	Powder
Infrared spectrum	Conforms	Conforms
Loss on drying	=<18.0 % () (Vacuum, 110°C, 3h)	8.4 % () (Vacuum, 110°C, 3h)
pH	3.5 to 5.5 (c=4, water)	4.5 (c=4, water)
Sulfated ash	=<1.0 %	=<1.0 %
Assay	>=590 µg/mg (On dried basis)	645 µg/mg (On dried basis)
Specific optical rotation	+107° to +121° (20°C, 589 nm) (c=1, water)	+115° (20°C, 589 nm) (c=1, water)
Specific optical rotation	(On dried basis)	(On dried basis)



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