3050 Spruce Street, Saint Louis, MO 63103, USA Website: www.sigma-aldrich.com Email USA: techserv@sial.com Outside USA: eurtechserv@sial.com

## **Certificate of Analysis**

Product Name : Product Number : Batch Number : Source Batch : CAS Number : MDL Number : Storage Temperature : Expiry Date : Quality Release Date :

## Gentamicin sulfate salt potency: ≥590 I.U. Gentamicin base per mg

G3632-5G
 $i_{0} + j_{0} + j_{0}$ 

Test Specification Result Appearance (Form) Powder Powder Appearance (Color) White to Off-White White Identification Complies Complies ≤ 15.0 % 8.3 % Water Assay  $\geq 590$ 679 (anhydrous substance)IU/mg pН 3.5 - 5.5 4.6 (40 mg/ml solution) 107 - 121 ° 120 ° Specific Rotation (anhydrous substance) Content of Gentamicins 25.0 - 50.0 % 29.0 % C1 Content of Gentamicins 10.0 - 35.0 % 21.2 % C1aContent of Gentamicins 25.0 - 55.0 % 49.8 % C2+C2a+C2b **Related Substances** ≤ 3.0 % < 3.0 % Impurity A (Sisomicin) 0.8 % **Related Substances** ≤ 3.0 % Impurity B(Garamine) 0.9 % **Related Substances** ≤ 3.0 % Any other impurity 3.0 % **Related Substances** ≤ 10.0 %

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchase must determine the suitability of the product for its particular use. See reverse side of website or packing slip for additional terms and conditions of sale

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## Sigma-Aldrich

Product Batch	G3632-5G 0000458077		
Total impurities			
Managed by		Expiration Date	Expiration Date
Results Provided by Supplier			
Shelf Life Defined by Supplier			
Handled & Packed Under ISO9001			

Anna Bendersky, Quality Control Manager Quallity Control Israel IL

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