

## Certificate of Analysis

Date of Testing: 2023-01-11 13:36:38  
Date of Next Testing: 2024-12-31 13:36:38  
Product Name: **Streptomycin sulfate**  
CAS Number: 3810-74-0  
Specifications & Purity: analytical standard  
Lot #: C2127428  
SKU #: **S105492**  
**Analysis:** **177529**  
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Loss on drying	0-5 (%)	0.70 %
Purity(Neutralization titration)(calcd.on anh.substance)	95-105 (%)	98.58 %
Nitrogen by Elemental Analysis	12.5-13.6 (%)	12.84 %
Specific Rotation [α] <sub>20</sub> /D(c=1 in H <sub>2</sub> O)(calcd.on anh.substance)	-88--79 (°)	-81.59 °
Carbon by Elemental Analysis	32.6-34.7 (%)	33.52 %
Appearance (s105492)	White to Off-White Powder or Solid or Chunks	White to Off-White Powder or Solid or Chunks
Infrared spectrum	Conforms to Structure	Conforms to Structure



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QA & QC Manager