

CERTIFICATE OF ANALYSIS

PRODUCT NAME: Streptomycin sulfate, analytical standard

ITEM NUMBER: S105492
BRAND: Aladdin
CAS NUMBER: 3810-74-0
MDL NUMBER: MFCD00037023
FORMULA: C₄₂H₈₄N₁₄O₃₆S₃
MOLECULAR WEIGHT: 1457.38

TEST	SPECIFICATION		TARGET VALUE
	MIN.	MAX.	
Appearance	White to Off-White Powder or Solid or Chunks		
Carbon by Elemental Analysis	32.6 %	34.7 %	34.7 %
Infrared spectrometry	Conforms to Structure		
Loss on drying	0 %	5 %	5 %
Nitrogen by Elemental Analysis	12.5 %	13.6 %	13.6 %
Purity(Neutralization titration)(calcd.on dried substance)	95 %	105 %	105 %
Specific rotation [α] ₂₀ /D(C=1,H ₂ O)(calcd.on dried substance)	79 °	88 °	88 °