

Certificate of Analysis

Date of Testing: 2024-04-18 12:02:10

Date of Next Testing: 2028-04-17 12:02:10

Product Name: **Streptozocin**

CAS Number: 18883-66-4

Specifications & Purity: 98% (containing isomers)

Lot #: D2416485

SKU #: **S110910**

Analysis: **335358**

Storage Temperature: Protected from light, Store at -20°C, Argon charged

Parameter	Limit Values	Result
Carbon by Elemental Analysis(anhydrous)	35.9-36.6 (%)	36.23 %
Alpha Anomer by HPLC	75-100 (%)	96.50 %
Water by Karl Fischer	0-3 (%)	0.43 %
Purity(total isomers) (HPLC)	98-100 (%)	99.72 %
Nitrogen by Elemental Analysis	15.4-16.2 (%)	15.41 %
Appearance (S110910)	White to Light Yellow Powder or Crystals	White to Light Yellow Powder or Crystals
13C NMR Spectrum	Conforms to Structure	Conforms to Structure
LC-MS for identification	Conforms	Conforms
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H2O , Yellow clear solution(50 mg/mL)	pass	Pass



John Su
QA & QC Manager