

Certificate of Analysis

Date of Testing: 2023-04-19 15:59:01

Date of Next Testing: 2027-04-18 15:59:01

Product Name: **Streptozocin**

CAS Number: 18883-66-4

Specifications & Purity: 98% (containing isomers)

Lot #: D23141097

SKU #: **S110910**

Analysis: **142514**

Storage Temperature: 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 (%)	88.60 %
Water by Karl Fischer	0-3 (%)	0.84 %
Purity(total isomers) (HPLC)	98-100 (%)	98.56 %
Nitrogen by Elemental Analysis	15.4-16.2 (%)	15.42 %
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 H ₂ O , Yellow clear solution(50 mg/mL)	pass	Pass



John Su
QA & QC Manager