

Certificate of Analysis

Date of Testing: 2024-01-17 15:38:58

Date of Next Testing: 2026-01-16 15:38:58

Product Name: **7-Aminodesacetoxycephalosporanic Acid**

CAS Number: 22252-43-3

Specifications & Purity: $\geq 98.0\%$ (HPLC)

Lot #: C2218057

SKU #: **A133280**

Analysis: **315277**

Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	98.50300 %
Purity(NonaqueousTitration)	95-100 (%)	95.12 %
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in } 1\text{mol/L HCl})$	100-107 (°)	104.88 °
Appearance (A133280)	White to Yellow to Beige Powder or Crystals	White to Yellow to Beige Powder or Crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in 1M NH ₄ OH , Colorless to Yellow-Green,Clear to Hazy,50 mg/ml	pass	Pass



John Su
QA & QC Manager