

Certificate of Analysis

Date of Testing: 2022-12-16 14:37:24
Date of Next Testing: 2026-12-15 14:37:24
Product Name: **Aztreonam**
CAS Number: 78110-38-0
Specifications & Purity: $\geq 98\%$
Lot #: L2213215
SKU #: **A122451**
Version: **0**
Analysis #: **156557**
Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Water by Karl Fischer	0-5 (%)	3.24 %
Purity(Neutralization titration)	94.5-105.5 (%)	102.42 %
Purity(HPLC)	98-100 (%)	99.68200 %
Specific Rotation $[\alpha]_{20/D}(c=0.5 \text{ in H}_2\text{O})$	-32--26 ($^{\circ}$)	-26.90 $^{\circ}$
Appearance (A122451)	White to Off-White Powder	White to Off-White Powder
Solubility in DMF/MeOH (1/1) , Colorless to Faint Yellow,Clear,50 mg/mL	pass	Pass
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager