

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-03-16 14:41:38

Date of Next Testing: 2028-03-15 14:41:38

Product Name: **Aztreonam**

CAS Number: 78110-38-0

Specifications & Purity: $\geq 98\%$

Lot #: C2404124

SKU #: **A122451**

Version: **0**

Analysis #: **332411**

Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Water by Karl Fischer	0-5 (%)	2.03600 %
Purity(Neutralization titration)	94.5-105.5 (%)	98.66000 %
Purity(HPLC)	98-100 (%)	99.97000 %
Specific Rotation $[\alpha]_{20/D}(c=0.5 \text{ in H}_2\text{O})$	-32--26 ($^{\circ}$)	-26.90200 $^{\circ}$
Appearance (A122451)	White to Off-White Powder	White to Off-White Powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in DMF/MeOH (1/1) , Colorless to Faint Yellow,Clear,50 mg/mL	pass	Pass



John Su
QA & QC Manager