

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-06-29 13:17:16  
Date of Next Testing: 2027-06-28 13:17:16  
Product Name: **Cefotaxime sodium salt**  
CAS Number: 64485-93-4  
Specifications & Purity:  $\geq 99.5\%$  (HPLC)  
Lot #: F2320372  
SKU #: **C102193**  
Version: **0**  
Analysis #: **245937**  
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Loss on drying	0-3 (%)	2.85 %
Purity(HPLC)	99.5-100 (%)	99.91000 %
Specific Rotation [a] <sub>D</sub> 20/D(c=1 in H <sub>2</sub> O) (anhydrous)	58-64 (°)	58.77°
Appearance (C102193)	White to Light Yellow Powder or Solid or chunks	White to Light Yellow Powder or Solid or chunks
Infrared spectrum	Conforms to Structure	Conforms to Structure
Plant cell culture test	pass	Pass
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H <sub>2</sub> O , Colorless to yellow clear solution (50 mg / mL)	pass	Pass



John Su  
QA & QC Manager