

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-08-30 15:24:28
Date of Next Testing: 2028-08-29 15:24:28
Product Name: **Cefotaxime sodium salt**
CAS Number: 64485-93-4
Specifications & Purity: $\geq 99.5\%$ (HPLC)
Lot #: H2426269
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 $[\alpha]_{20/D}(c=1 \text{ in H}_2\text{O})$ (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 ₂ O , Colorless to yellow clear solution (50 mg / mL) | pass | Pass |



John Su
QA & QC Manager