

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-02-24 18:47:13
 Date of Next Testing: 2027-02-23 18:47:13
 Product Name: **7-Aminocephalosporanic acid(7-ACA)**
 CAS Number: 957-68-6
 Specifications & Purity: $\geq 98\%$
 Lot #: B2321029
 SKU #: **A101213**
 Version: **0**
 Analysis #: **023438**
 Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	98.26300 %
Specific Rotation $[\alpha]_{20/D}(c=0.5 \text{ in } \text{KH}_2\text{PO}_4/\text{trace NaOH in PH}=7)$	84-96 (°)	95.93200 °
Appearance (A101213)	off-white to brown powder or crystals	off-white to brown powder or crystals
Solubility,light yellow solution, clear or slightly blurred (5% , NH_4OH)	pass	Pass
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager