

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-08-09 17:49:01

Date of Next Testing: 2028-08-08 17:49:01

Product Name: **7-Aminocephalosporanic acid(7-ACA)**

CAS Number: 957-68-6

Specifications & Purity: $\geq 98\%$

Lot #: H2408088

SKU #: **A101213**

Version: **0**

Analysis #: **338800**

Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D}(c=0.5 \text{ in } \text{KH}_2\text{PO}_4/\text{trace NaOH in PH}=7)$	84-96 (°)	85.30000 °
Purity(HPLC)	98-100 (%)	99.00000 %
Appearance (A101213)	off-white to brown powder or crystals	off-white to brown powder or crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility, light yellow solution, clear or slightly blurred (5% , NH_4OH)	pass	Pass



John Su
QA & QC Manager