

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-03-30 20:51:32

Date of Next Testing: 2027-03-29 20:51:32

 Product Name: **Ampicillin Na**

CAS Number: 69-52-3

Specifications &amp; Purity: USP grade

Lot #: C2325049

 SKU #: **A105483**
**Analysis:** **177976**

Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Purity(HPLC)	91-100.5 (%)	99.78000 %
Dichloromethane	0-0.2 (%)	0.13 %
Heavy metal (as Pb)	0-0.002 (%)	0.00 %
PH	8-10	9.35
2-Ethylhexanoic acid	0-0.8 (%)	0.23 %
Specific Rotation [α] <sub>20</sub> /D(c=0.25 in Potassium biphthalate solu	258-287 (°)	269.74 °
N,N-Dimethylaniline	0-0.002 (%)	0.00 %
Water by Karl Fischer	0-2 (%)	1.08 %
potency (dry basis)	845-988 (mg/g)	869.50 mg/g
Bacterial endotoxins	0-0.15 (IU/ml OR u/ml)	0.10 IU/ml OR u/ml
Appearance (A105483)	White to Off-White Powder or Crystals	White to Off-White Powder or Crystals
Appearance (solution)	passes test	Passes test
Identification	pass	Pass
Related substances	Pass	Pass
Proton NMR spectrum	Conforms to structure	Conforms to Structure



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A handwritten signature in black ink that reads "John Su".

John Su  
QA & QC Manager