

## Certificate of Analysis

Date of Testing: 2023-03-30 20:54:58

Date of Next Testing: 2027-03-29 20:54:58

Product Name: **Ampicillin Na**

CAS Number: 69-52-3

Specifications & Purity: USP grade

Lot #: C2325045

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



ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

A handwritten signature in black ink that reads "John Su". The signature is written in a cursive, flowing style.

John Su  
QA & QC Manager