

## Certificate of Analysis

Date of Testing: 2022-11-11 15:49:18  
 Date of Next Testing: 2026-11-10 15:49:18  
 Product Name: **Ampicillin Na**  
 CAS Number: 69-52-3  
 Specifications & Purity: USP grade  
 Lot #: K2209097  
 SKU #: **A105483**  
**Analysis:** **133368**  
 Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Purity(HPLC)	91-100.5 (%)	99.59900 %
Dichloromethane	0-0.2 (%)	0.12 %
Heavy metal (as Pb)	0-0.002 (%)	0.00 %
PH	8-10	9.20
2-Ethylhexanoic acid	0-0.8 (%)	0.40 %
Specific Rotation [α] <sub>20</sub> /D(c=0.25 in Potassium biphthalate solu	258-287 (°)	270.70 °
N,N-Dimethylaniline	0-0.002 (%)	0.00 %
potency (dry basis)	845-988 (mg/g)	873.00 mg/g
Bacterial endotoxins	0-0.15 (IU/ml OR u/ml)	0.14 IU/ml OR u/ml
Water by Karl Fischer	0-2 (%)	2.00 %
Appearance (solution)	passes test	Passes test
Identification	pass	Pass
Related substances	Pass	Pass
Proton NMR spectrum	Conforms to structure	Conforms to Structure
Appearance (A105483)	White to Off-White Powder or Crystals	White to Off-White Powder or Crystals



ALADDIN SCIENTIFIC CORPORATION

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

John Su  
QA & QC Manager