

## Certificate of Analysis

Date of Testing: 2022-07-05 22:04:05  
 Date of Next Testing: 2026-07-04 22:04:05  
 Product Name: **Ampicillin Na**  
 CAS Number: 69-52-3  
 Specifications & Purity: USP grade  
 Lot #: G2204052  
 SKU #: **A105483**  
**Analysis:** **109709**  
 Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Purity(HPLC)	91-100.5 (%)	96.83900 %
Dichloromethane	0-0.2 (%)	0.05 %
Heavy metal (as Pb)	0-0.002 (%)	0.00 %
Bacterial endotoxins	0-0.15 (IU/ml OR u/ml)	0.06 IU/ml OR u/ml
PH	8-10	9.21
2-Ethylhexanoic acid	0-0.8 (%)	0.11 %
Specific Rotation [α] <sub>20</sub> /D(c=0.25 in Potassium biphthalate solu	258-287 (°)	268.93 °
N,N-Dimethylaniline	0-0.002 (%)	0.00 %
Water by Karl Fischer	0-2 (%)	2.00 %
potency (dry basis)	845-988 (mg/g)	882.63 mg/g
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".

John Su  
QA & QC Manager