

Certificate of Analysis

Date of Testing: 2022-07-06 12:55:19
 Date of Next Testing: 2026-07-05 12:55:19
 Product Name: **Ampicillin Na**
 CAS Number: 69-52-3
 Specifications & Purity: USP grade
 Lot #: G2204051
 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] ₂₀ /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 |



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

John Su
QA & QC Manager