

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-05-15 17:16:18

Date of Next Testing: 2030-05-14 17:16:18

Product Name: **Ampicillin Na**

CAS Number: 69-52-3

Specifications &amp; Purity: PharmPure™, USP

Lot #: E2608505

SKU #: **A105483**

Version: **2**

Analysis #: **695391**

Storage Temperature: Store at 2-8°C

| Parameter                                                                   | Limit Values                          | Result                                |
|-----------------------------------------------------------------------------|---------------------------------------|---------------------------------------|
| Purity(HPLC)                                                                | 91-100 (%)                            | 100.00000 %                           |
| Dichloromethane                                                             | 0-0.2 (%)                             | 0.10500 %                             |
| Heavy metal (as Pb)                                                         | 0-0.002 (%)                           | 0.00000 %                             |
| pH                                                                          | 8-10                                  | 9.62500                               |
| 2-Ethylhexanoic acid                                                        | 0-0.8 (%)                             | 0.10200 %                             |
| Specific Rotation [α] <sub>20</sub> /D(c=0.25 in Potassium biphthalate solu | 258-287 (°)                           | 261.92800 °                           |
| N,N-Dimethylaniline                                                         | 0-0.002 (%)                           | 0.00100 %                             |
| Water by Karl Fischer                                                       | 0-2 (%)                               | 1.40460 %                             |
| potency (dry basis)                                                         | 845-988 (mg/g)                        | 893.65000 mg/g                        |
| Bacterial endotoxins                                                        | 0-0.15 (EU/mg)                        | 0.00910 EU/mg                         |
| Appearance (A105483)                                                        | White to Off-White Powder or Crystals | White to Off-White Powder or Crystals |
| Identification                                                              | pass                                  | Pass                                  |
| Related substances                                                          | Pass                                  | Pass                                  |
| Appearance (solution)                                                       | passes test                           | Passes test                           |
| Proton NMR spectrum                                                         | Conforms to structure                 | Conforms to Structure                 |



QualityAssurance@aladdinsci.com

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

John Su  
QA & QC Manager