

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-07-18 13:50:33  
 Date of Next Testing: 2027-07-18 13:50:33  
 Product Name: **Enoxacin Sesquihydrate**  
 CAS Number: 84294-96-2  
 Specifications & Purity:  $\geq 98\%$   
 Lot #: A2211754  
 SKU #: **E129647**  
 Version: **1**  
 Analysis #: **543765**  
 Storage Temperature: Room temperature

| Parameter                                               | Limit Values                                         | Result                                               |
|---------------------------------------------------------|------------------------------------------------------|------------------------------------------------------|
| Loss on drying                                          | 7-9 (%)                                              | 7.65800 %                                            |
| Purity(Nonaqueous Titration)<br>(calcd.onanh.substance) | 98-100 (%)                                           | 98.00000 %                                           |
| Purity(HPLC)                                            | 98-100 (%)                                           | 99.00200 %                                           |
| Nitrogen by Elemental Analysis<br>(anhydrous)           | 16.6-18 (%)                                          | 17.49800 %                                           |
| Melting point                                           | 225-229 (°C)                                         | 226.29800 °C                                         |
| Carbon by Elemental<br>Analysis(anhydrous)              | 54.6-56.7 (%)                                        | 55.34000 %                                           |
| Appearance (E129647)                                    | White to Yellow or Light Brown<br>Crystals or Powder | White to Yellow or Light Brown<br>Crystals or Powder |
| Proton NMR spectrum                                     | Conforms to Structure                                | Conforms to Structure                                |
| Solubility in NaOH                                      | Colorless to Faint Yellow,Clear to<br>Hazy,50mg/ml   | Colorless to Faint Yellow,Clear to<br>Hazy,50mg/ml   |



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

John Su  
QA & QC Manager