

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-06-15 10:18:23

Date of Next Testing: 2026-06-15 10:18:23

Product Name: **Azithromycin Dihydrate**

CAS Number: 117772-70-0

Specifications & Purity:  $\geq 98\%$

Lot #: F2405387

SKU #: **E129935**

Version: **0**

Analysis #: **361586**

Storage Temperature: Store at 2-8°C, Argon charged

| Parameter                                                                               | Limit Values                       | Result                             |
|-----------------------------------------------------------------------------------------|------------------------------------|------------------------------------|
| Purity(HPLC)(calcd.on anh.substance)                                                    | 98-100 (%)                         | 99.49 %                            |
| Nitrogen by Elemental Analysis (anhydrous)                                              | 3.2-4.2 (%)                        | 3.64 %                             |
| Specific Rotation $[\alpha]_{20/D}(c=2 \text{ in EtOH})(\text{calcd.on anh.substance})$ | -49--45 (°)                        | -45.68 °                           |
| Water by Karl Fischer                                                                   | 4-5 (%)                            | 4.86 %                             |
| Carbon by Elemental Analysis(anhydrous)                                                 | 59.2-61.4 (%)                      | 60.91 %                            |
| Appearance (e129935)                                                                    | White to Off-White Powder or Solid | White to Off-White Powder or Solid |
| Infrared spectrum                                                                       | Conforms to Structure              | Conforms to Structure              |



John Su  
QA & QC Manager