

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-07-09 14:39:54  
 Date of Next Testing: 2024-07-08 14:39:54  
 Product Name: **Azithromycin Dihydrate**  
 CAS Number: 117772-70-0  
 Specifications & Purity: Moligand™, ≥98%  
 Lot #: J1818050  
 SKU #: **E129935**  
 Version: **0**  
 Analysis #: **110860**  
 Storage Temperature: Store at 2-8°C, Protected from light, Argon charged

| Parameter                                                                  | Limit Values                       | Result                             |
|----------------------------------------------------------------------------|------------------------------------|------------------------------------|
| Purity(HPLC)(calcd.on anh.substance)                                       | 98-100 (%)                         | 98.55400 %                         |
| Carbon by Elemental Analysis(anhydrous)                                    | 59.2-61.4 (%)                      | 59.90000 %                         |
| Nitrogen by Elemental Analysis (anhydrous)                                 | 3.2-4.2 (%)                        | 3.60000 %                          |
| Specific Rotation[α] <sub>20/D</sub> (c=2 in EtOH)(calcd.on anh.substance) | -49--45 (°)                        | -47.30000 °                        |
| Water by Karl Fischer                                                      | 4-5 (%)                            | 4.40000 %                          |
| 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