

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-12-16 19:02:29  
Date of Next Testing: 2027-12-16 19:02:29  
Product Name: **Azithromycin Dihydrate**  
CAS Number: 117772-70-0  
Specifications & Purity:  $\geq 98\%$   
Lot #: L2510120  
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