

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-09-21 14:57:21  
Date of Next Testing: 2027-09-20 14:57:21  
Product Name: **Tunicamycin**  
CAS Number: 11089-65-9  
Specifications & Purity: 98%  
Lot #: I2307502  
SKU #: **T101151**  
**Analysis:** **265420**  
Storage Temperature: Protected from light,Store at -20°C

Parameter	Limit Values	Result
UV (E1% at Lambda max 1)	95-120	112.58
UV (EmM at Lambda max)	8-10	9.25
Purity (HPLC)(a mixture Of Tunicamycin A,B,C,D)	98-100 (%)	99.00 %
UV (Lambda max)(Solvent) MEtOH	258-262 (nm)	259.00 nm
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in MeOH , Colorless to Yellow or Brown, Clear to Hazy, 50mg/ml	pass	Pass
Appearance (T101151)	White to Yellow to Tan Powder, Crystals or Chunks	White to Yellow to Tan Powder, Crystals or Chunks



John Su  
QA & QC Manager