

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-03-02 19:16:03

Date of Next Testing: 2027-03-01 19:16:03

Product Name: **Valinomycin**

CAS Number: 2001-95-8

Specifications & Purity:  $\geq 98\%$ (TLC),  $\geq 95\%$ (HPLC)

Lot #: B23271239

SKU #: **V100895**

Version: **0**

Analysis #: **188167**

Storage Temperature: Protected from light, Store at -20°C

| Parameter                                                | Limit Values                                  | Result                                        |
|----------------------------------------------------------|-----------------------------------------------|-----------------------------------------------|
| Purity(TLC)                                              | 98-100 (%)                                    | 99.00000 %                                    |
| Melting point                                            | 186-191 (°C)                                  | 187.00000 °C                                  |
| Purity(HPLC)                                             | 95-100 (%)                                    | 97.20000 %                                    |
| Specific Rotation [α] <sub>20/D</sub> (c=1.6 in benzene) | 30-34 (°)                                     | 30.21000 °                                    |
| Appearance (V100895)                                     | White to Off-White Solid, Powder, or Crystals | White to Off-White Solid, Powder, or Crystals |
| Proton NMR spectrum                                      | Conforms to Structure                         | Conforms to Structure                         |



John Su  
QA & QC Manager