

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-10-30 13:57:32

Date of Next Testing: 2027-10-29 13:57:32

Product Name: **Valinomycin**

CAS Number: 2001-95-8

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

Lot #: J2326565

SKU #: **V100895**

Version: **0**

Analysis #: **284898**

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

Parameter	Limit Values	Result
Purity(TLC)	98-100 (%)	99.00000 %
Melting point	186-191 ($^{\circ}\text{C}$)	188.20000 $^{\circ}\text{C}$
Purity(HPLC)	95-100 (%)	97.20000 %
Specific Rotation $[\alpha]_{20/D}(c=1.6 \text{ in benzene})$	30-34 ($^{\circ}$)	32.06000 $^{\circ}$
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