

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-01-16 09:26:48
 Date of Next Testing: 2029-01-15 09:26:48
 Product Name: **Valinomycin**
 CAS Number: 2001-95-8
 Specifications & Purity: $\geq 98\%$ (TLC), $\geq 95\%$ (HPLC)
 Lot #: A2514547
 SKU #: **V100895**
 Version: **0**
 Analysis #: **455543**
 Storage Temperature: Protected from light, Store at -20°C

Parameter	Limit Values	Result
Melting point	186-191 (°C)	188.00000 °C
Specific Rotation $[\alpha]_{20/D}(c=1.6 \text{ in benzene})$	30-34 (°)	32.00000 °
Purity(HPLC)	95-100 (%)	98.39000 %
Purity(TLC)	98-100 (%)	99.00000 %
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