

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-03-13 11:38:26
 Date of Next Testing: 2025-03-12 11:38:26
 Product Name: **Estradiol valerate**
 CAS Number: 979-32-8
 Specifications & Purity: Moligand™, ≥98%
 Lot #: C2302598
 SKU #: **E129414**
 Version: **0**
 Analysis #: **176497**
 Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Specific Rotation [α] _{20/D} (c=2 in CHCL ₃)	41-44 (°)	42.88800°
Purity(HPLC)	98-100 (%)	98.29400%
Melting point	145-150 (°C)	148.10000 °C
UV-vis spectrum EmM(λ _{max} 281nm in MeOH)	2-2.1	2.09000
Appearance (E129414)	White to Almost white powder to crystal	White to Almost white powder to crystal
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in Acetone , Colorless Clear(125mg/5ml)	pass	Pass



John Su
QA & QC Manager