

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-01-16 10:41:27

Date of Next Testing: 2028-01-15 10:41:27

Product Name: **Estrone**

CAS Number: 53-16-7

Specifications & Purity: Moligand™, ≥98%

Lot #: A2412093

SKU #: **E105515**

Version: **0**

Analysis #: **072512**

Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.53400 %
Specific Rotation [α] ₂₀ /D(c=1 in Dioxane)	161-168 (°)	161.70100 °
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Appearance (E105515)	White to Off-White Powder or Crystals	White to Off-White Powder or Crystals



John Su
QA & QC Manager