

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-09-08 15:37:00
 Date of Next Testing: 2027-09-07 15:37:00
 Product Name: **Estrone**
 CAS Number: 53-16-7
 Specifications & Purity: Moligand™, ≥98%
 Lot #: K1927147
 SKU #: **E105515**
 Version: **0**
 Analysis #: **273608**
 Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	98.12550 %
Specific Rotation [α] ₂₀ /D(c=1 in Dioxane)	161-168 (°)	163.80000 °
Appearance (E105515)	White to Off-White Powder or Crystals	White to Off-White Powder or Crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager