

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-05-21 14:03:21  
Date of Next Testing: 2029-05-20 14:03:21  
Product Name: **Estrone**  
CAS Number: 53-16-7  
Specifications & Purity: Moligand™, ≥98%  
Lot #: E2516425  
SKU #: **E105515**  
Version: **0**  
Analysis #: **379039**  
Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.69500 %
Specific Rotation [α] <sub>20</sub> /D(c=1 in Dioxane)	161-168 (°)	167.13 °
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