

## Certificate of Analysis

Date of Testing: 2022-09-02 13:55:22  
Date of Next Testing: 2025-09-01 13:55:22  
Product Name: **Estrone 3-O-Sulfamate**  
CAS Number: 148672-09-7  
Specifications & Purity:  $\geq 97\%$   
Lot #: H2231498  
SKU #: **E336532**  
**Analysis: 125279**  
Storage Temperature: Store at  $-20^{\circ}\text{C}$ , Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	97-100 (%)	97.44400 %
Appearance(E336532)	White to off white to Pale Beige Solid	White to off white to Pale Beige Solid
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager