

Certificate of Analysis

Date of Testing: 2023-02-13 15:26:36
Date of Next Testing: 2025-02-12 15:26:36
Product Name: **Ethinyl Estradiol**
CAS Number: 57-63-6
Specifications & Purity: $\geq 98\%$
Lot #: E2112311
SKU #: **E129595**
Analysis: **186934**
Storage Temperature: Protected from light, Argon charged

Parameter	Limit Values	Result
Melting point	181-185 (°C)	183.50000 °C
Purity(Neutralization titration)	97.5-102.5 (%)	98.41 %
Purity(HPLC)	98-100 (%)	98.08600 %
Specific Rotation $[\alpha]_{20/D}(c=0.4$ in Pyridene)	-32--28 (°)	-30.10 °
Appearance (E129595)	White to Off-White to Light Yellow Powder or Crystals	White to Off-White to Light yellow Powder or Crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in EtOH , Colorless to Pale Yellow Clear(50 mg/ml)	pass	Pass



John Su
QA & QC Manager