

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-06-21 01:24:08
 Date of Next Testing: 2026-06-20 01:24:08
 Product Name: **β-Estradiol**
 CAS Number: 50-28-2
 Specifications & Purity: Moligand™, for cell culture, ≥99%
 Lot #: F2215333
 SKU #: **E110145**
 Version: **0**
 Analysis #: **091109**
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Melting point	173-179 (°C)	178.78000 °C
Purity(HPLC)	98-100 (%)	98.88500 %
Specific Rotation [α] _{20/D} (c=1 in Dioxane)	76-83 (°)	79.53800 °
Appearance (E110145)	White to Off-White Powder	White to Off-White Powder
Cell Culture Test	pass	Pass
Solubility in EtOH , Colorless Clear, 50 mg/ml	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager