

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-09-11 11:17:50

Date of Next Testing: 2027-09-10 11:17:50

Product Name: **β-Estradiol**

CAS Number: 50-28-2

Specifications & Purity: Moligand™, for cell culture, ≥99%

Lot #: I2306445

SKU #: **E110145**

Version: **0**

Analysis #: **174710**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Melting point	173-179 (°C)	177.48000 °C
Purity(HPLC)	98-100 (%)	99.29600 %
Specific Rotation [α] _{20/D} (c=1 in Dioxane)	76-83 (°)	77.66300°
Appearance (E110145)	White to Off-White Powder	White to Off-White Powder
Cell Culture Test	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in EtOH , Colorless Clear,50 mg/ml	pass	Pass



John Su
QA & QC Manager