


ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-06-05 17:06:36  
Date of Next Testing: 2030-06-04 17:06:36  
Product Name: **β-Estradiol**  
CAS Number: 50-28-2  
Specifications & Purity: Moligand™, for cell culture, ≥99%  
Lot #: F2601293  
SKU #: **E110145**  
Version: **0**  
Analysis #: **707062**  
Storage Temperature: Room temperature

| Parameter  | Limit Values              | Result                    |
|--|---------------------------|---------------------------|
| Melting point  | 173-179 (°C)              | 178.32000 °C              |
| Purity(HPLC)   | 98-100 (%)                | 99.82900 %                |
| Specific Rotation [α] <sub>20</sub> /D(c=1 in Dioxane) | 76-83 (°)                 | 78.39300 °                |
| 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