

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-06-21 16:10:53

Date of Next Testing: 2026-06-20 16:10:53

Product Name: **β-Estradiol**

CAS Number: 50-28-2

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

Lot #: F2215360

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] <sub>20/D</sub> (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