

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-06-20 17:07:34  
Date of Next Testing: 2026-06-19 17:07:34  
Product Name: **β-Estradiol**  
CAS Number: 50-28-2  
Specifications & Purity: 98%  
Lot #: F2215353  
SKU #: **E110144**  
**Analysis:** **161548**  
Storage Temperature: Room temperature, Desiccated

Parameter	Limit Values	Result
Specific Rotation [α] <sub>20</sub> /D(c=1 in Dioxane)	76-83 (°)	79.54°
Purity(HPLC)	98-100 (%)	98.88500%
Melting point	173-179 (°C)	178.78000 °C
Appearance (E110144)	white to beige powder or crystals	white to beige powder or crystals



John Su  
QA & QC Manager