

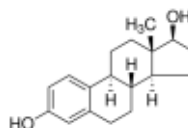
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Product Specification

Product Name:
β-Estradiol – analytical standard

Product Number: E1132
CAS Number: 50-28-2
MDL: MFCD00003693
Formula: C₁₈H₂₄O₂
Formula Weight: 272.38 g/mol



TEST	Specification
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Infrared spectrum	Compares to Reference Standard
UV Absorbance	Meets Requirements
Compares to standard and absorptivities at 280nm, calculated on the anhydrous basis, do not differ by more than 3.0%	
Water (by Karl Fischer)	≤ 3.5 %
Specific Rotation	76 - 83 °
10 mg/mL solution in Dioxane	
Initial Melting Point	≥ 173 °C
Final Melting Point	≤ 179 °C
Chromatographic Purity	Conforms
< or = 0.5% of any individual impurity is found, and < or = 1.0% of total impurities is found	
Residual Solvents Testing Required	Pass
Assay (Anhydrous Basis)	97.0 - 103.0 %
HPLC	
Note	-----
This product meets USP specifications (current through USP: supplement) and is traceable to USP Reference Standard lot:	

Specification: PRD.1.ZQ5.10000025926

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.