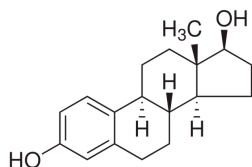


Product Information

β-Estradiol
analytical standardCatalog Number **E1132**
Lot Number 051M5007
Store at Room TemperatureCAS RN 50-28-2
Synonyms: Estra-1,3,5(10)-triene-3,17-diol,
(17β)-Estra-1,3,5(10)-triene-3,17β-diol.**Product Description**
Molecular Formula: C₁₈H₂₄O₂
Molecular Weight: 272.38

This product meets USP specifications (Current through USP 34, 1st supplement) and is traceable to USP Reference Standard lot M0E309.

Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

Preparation Instructions

Dry a portion at 80 °C for 4 hours before use. Use promptly. Discard unused material.

Storage/Stability

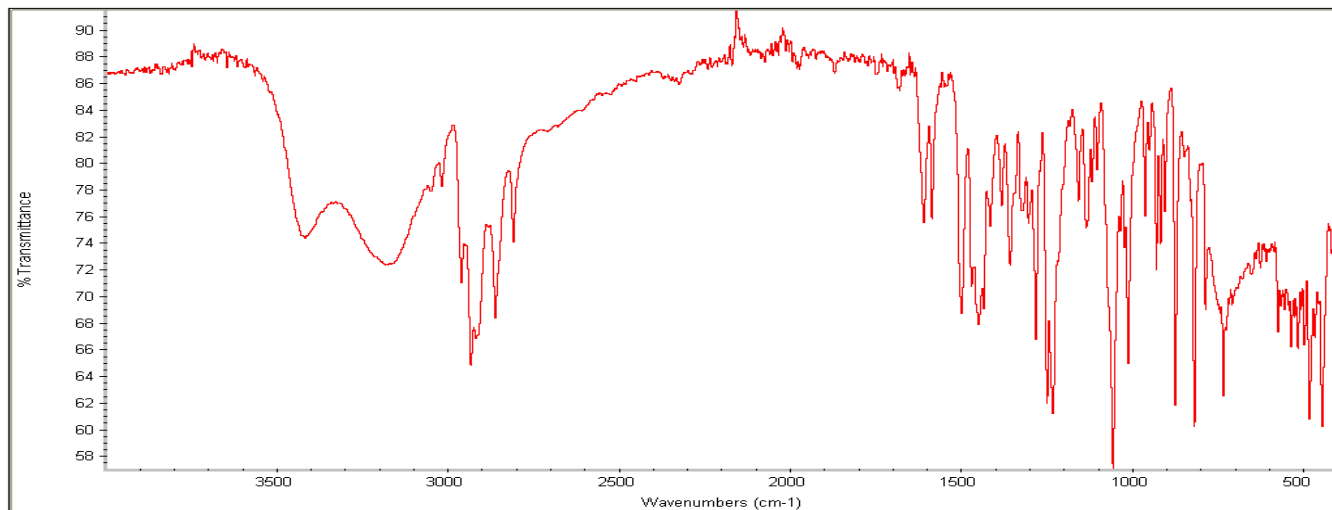
Store in a sealed vial at room temperature.

KSP,MAM 10/11-1

TEST	USP 34 SPECIFICATIONS	Result Analytical Standard Lot 051M5007
Infrared asorption spectrum KBr dispersion <197M>	compares to standard	compares to standard
Ultraviolet absorption spectrum 50μg/mL in alcohol <197U>	compares to standard and absorptivities at 280 nm, calculated on the anhydrous basis, do not differ by more than 3.0%	meets requirements
Melting range, °C Class 1 <741>	between 173 °C and 179 °C	176-178 °C
Specific rotation, [α] _D ²⁵ 10 mg/mL solution in dioxane <781S>	between +76° and +83°	+81°
Water Method 1 <921>	not more than 3.5%	3.3%
Residual Solvents	meets the requirements	conforms(class 3 solvents only <0.5%)
Chromatographic purity <621>	not more than 0.5% of any individual impurity is found, and not more than 1.0% of total impurities is found	conforms
Assay - HPLC <621>	not less than 97% and not more than 103%, calculated on the anhydrous basis	99.9%

See reverse side for IR and UV spectra of Analytical Standard

Infrared Spectrum
KBr Dispersion



Ultraviolet Spectrum
50 µg/ml in alcohol

