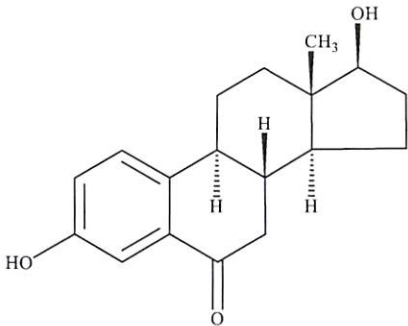


Certificate of Analysis



Certificate No.: 20260206009

Date: February 6, 2026

Retest date: February 5, 2029

Compound Name:	Estradiol USP Related Compound C	
Synonyms:	(8R,9S,13S,14S,17S)-3,17-dihydroxy-13-methyl-7,8,9,11,12,13,14,15,16,17-decahydro-6H-cyclopenta[a]phenanthren-6-one	
TLC Catalogue Number:	E-0941	
CAS Number:	571-92-6	
Alternate CAS Number:	N/A	
Molecular Weight:	286.37	
Molecular Formula:	C ₁₈ H ₂₂ O ₃	
Source:	TLC Pharmaceutical Standards	
Source Lot No.:	2705-051A6	
Storage Conditions:	Store at 2-8 °C	
Solubility:	Methanol, DMSO	

Test Description	Specifications	Results
Visual Description	White to off-white solid	Conforms
Identification		
IR	Conforms to structure	Conforms
MS	Conforms to structure	Conforms
¹ H NMR	Conforms to structure	Conforms
¹³ C NMR	Conforms to structure	Conforms
Elemental Analysis	Conforms to structure	Conforms
Purity (HPLC)	Not less than 95.0%	100.0%
Impurity (HPLC)	N/A	
Water Content (KF)	N/A	0.2%
Optical Rotation	[α] _D ^{20.0} (c=1.00, CH ₃ OH): +4.5°	[α] _D ^{20.0} (c=0.72, CH ₃ OH): +3.2°
Residual Solvents (NMR)	0.1% methanol	
Assay (%)	Not less than 90.0%	99.7%
Recommendation:	Release.	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		02/06/2026
Approved by:	Quality Assurance		02/06/2026

Attachments: Peak Attribution Table, Assay Calculation, HPLC, IR, MS and NMR spectra.