

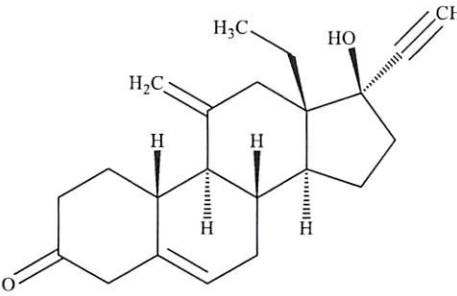
Certificate of Analysis

Certificate No.: **20260609017**



Date: June 9, 2026

Retest date: June 5, 2027

Compound Name: Etonogestrel EP Impurity E (Etonogestrel USP Related Compound E)	
Synonyms:	(8S,9S,10R,13S,14S,17R)-13-ethyl-17-ethynyl-17-hydroxy-11-methylene-1,2,4,7,8,9,10,11,12,13,14,15,16,17-tetradecahydro-3H-cyclopenta[a]phenanthren-3-one
TLC Catalogue Number:	E-2122
CAS Number:	3081732-55-7
Alternate CAS Number:	N/A
Molecular Weight:	324.46
Molecular Formula:	C ₂₂ H ₂₈ O ₂
Source:	TLC Pharmaceutical Standards
Source Lot No.:	7453-018A3
Storage Conditions:	Protect from light, store at -20 °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
Purity (HPLC)	Not less than 95.0%	99.9%
Impurity (HPLC)	N/A	
Residual Solvents (NMR)	0.9% isopropanol and 0.2% tetrahydrofuran	
Assay (qNMR)	Not less than 90.0%	94.2%
Recommendation:	Release.	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		06/09/2026
Approved by:	Quality Assurance		06/09/2026

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