

# CERTIFICATE OF ANALYSIS

(Certificate No. KMP181054-02)

Release Date: 17/05/2025

Re-test Date: 16/05/2028

## Progesterone EP Impurity C

### Identification

**Chemical Name :**

(8S,9S,10R,13S,14S,17S)-17-((R)-1-hydroxyethyl)-10,13-dimethyl-1,2,6,7,8,9,10,11,12,13,14,15,16,17-tetradecahydro-3H-cyclopenta[a]phenanthren-3-one

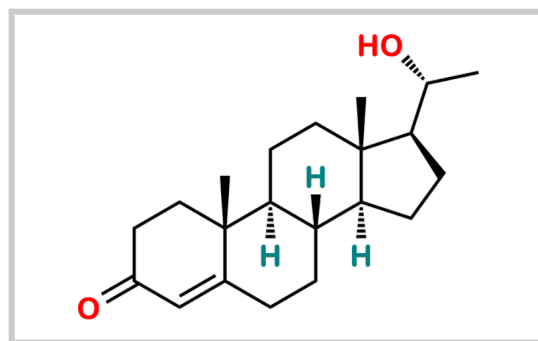
**Alt. Name** : 20(R)-Hydroxy Progesterone

**CAT No.** : KMP181054

**CAS No.** : 145-15-3

**Molecular Formula** : C<sub>21</sub>H<sub>32</sub>O<sub>2</sub>

**Molecular Weight** : 316.4



### Analytical Information

**Batch No.** : P181054-102-017

**Solubility** : Methanol

**Description** : White Solid

**Mass** : Confirm

**HPLC Purity** : 98.95 %

**IR** : Confirm

**Weight Loss By TGA** : 0.79 %

**<sup>1</sup>H NMR** : Confirm

**% Potency** : 98.17 %

### Additional Information

**Long Term Storage** : Store at 2-8 deg. C for long term storage

**Shipping Condition** : Product is stable to be Shipped at Room Temperature

**% Potency** = [100 - 0.79(Weight Loss By TGA)] x [98.95(HPLC Purity)]/100 = 98.17 %

**Recommendation** : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		17/05/2025
Reviewed & Approved By	Quality Control	Jatin Patel		17/05/2025

**Attachments** : COA, HPLC, MASS, <sup>1</sup>HNMR, IR and TGA