

# CERTIFICATE OF ANALYSIS

(Certificate No. KMH002027-01)

Release Date: 10/06/2026

Re-test Date: 09/06/2029

## Hydrocortisone

### Identification

**Chemical Name :**

11 $\beta$ ,17,21-Trihydroxypregn-4-ene-3,20-dione (as per EP)

**Alt. Name**

: Cortisol ; Hydrocortisone Acetate EP  
Impurity A ; Prednisolone EP Impurity  
A

**CAT No.**

: KMH002027

**CAS No.**

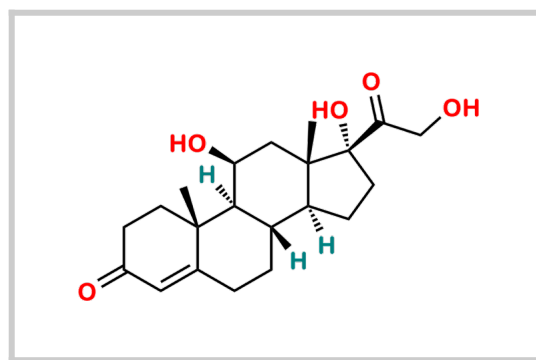
: 50-23-7

**Molecular Formula**

: C<sub>21</sub>H<sub>30</sub>O<sub>5</sub>

**Molecular Weight**

: 362.5



### Analytical Information

**Batch No.**

: H002027-136-007

**Solubility**

: ACN

**Description**

: White solid

**Mass**

: Confirm

**HPLC Purity**

: 99.71 %

**IR**

: Confirm

**Weight Loss By TGA**

: 0.13%

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

: Confirm

**% Potency**

: 99.58 %

### 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 - 0.13(Weight Loss By TGA)] x [99.71(HPLC Purity)]/100 = 99.58 %

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		10/06/2026
Reviewed & Approved By	Quality Control	Jatin Patel		10/06/2026

**Attachments** : COA, HPLC, MASS, 1HNMR, IR and TGA