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## CERTIFICATE OF ANALYSIS

Analysis Date: Sep 2025

Re-test Date: Aug 2027

**Product Name: Hydrocortisone Impurity B**

### Identification:

Chemical Name: (11,17E)-11,20-Dihydroxy-3-oxo-pregna-4,17(20)-dien-21-al

Synonyms : Hydrocortisone E-isomer of Enol  
Aldehyde ; (E)-17-  
Deoxyaldehyde Derivative

CAS Number : 105562-12-7

CAT Number : CP-H9021

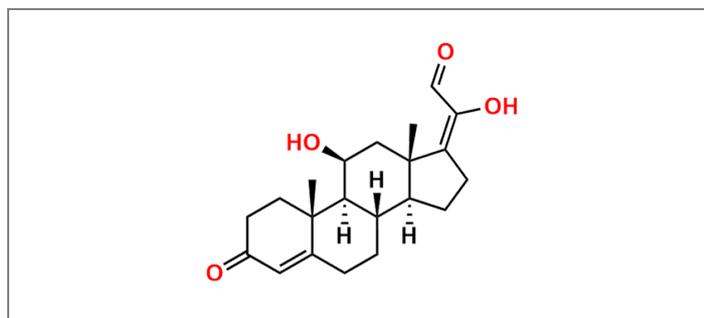
Molecular Formula : C<sub>21</sub>H<sub>28</sub>O<sub>4</sub>

Molecular Weight : 344.54

Batch Number : CP-HYD-B-1025

Storage Condition : Tightly closed, Inert atmosphere at 2 to 8° C

Shipping condition : All Products are stable to be shipped at room temperature, if specific condition required it is  
mention in the COA



### Analytical Information:

| Sr. No. | Test              | Result                   |
|---------|-------------------|--------------------------|
| 1)      | Description       | White Solid              |
| 2)      | Solubility        | Soluble in Methanol/DMSO |
| 3)      | MASS By LCMS      | Confirm to structure     |
| 4)      | Purity By HPLC    | 97.92%                   |
| 5)      | <sup>1</sup> HNMR | Confirm to structure     |
| 6)      | IR                | Confirm to Structure     |



Prepared and Reviewed By

Ms Priyanka Salunkhe  
(Quality Control)

Approved By

Ms Rohini Gagare  
(Quality Assurance)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.