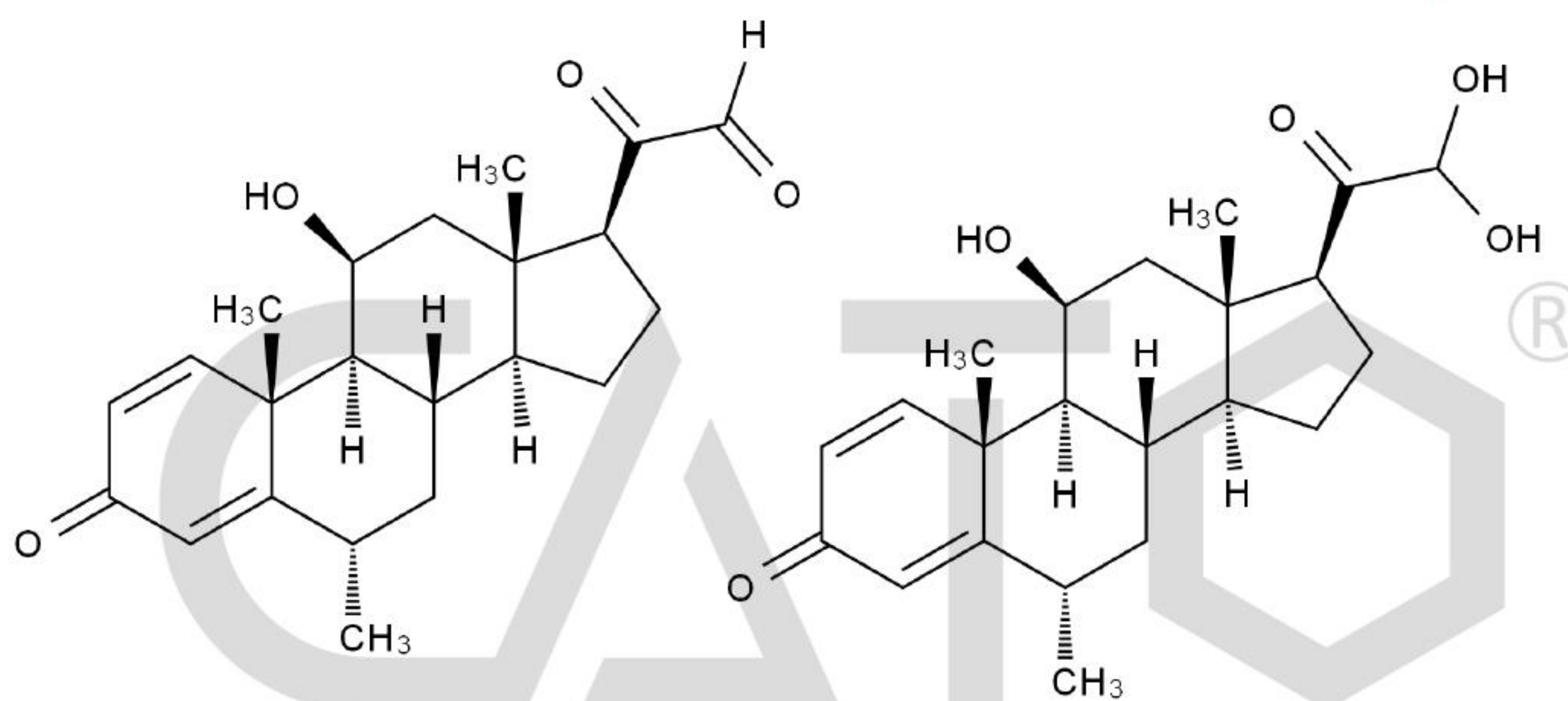


# Certificate of Analysis

## Reference Material & Standard

|                           |                                                                                               |                          |                                                                                      |
|---------------------------|-----------------------------------------------------------------------------------------------|--------------------------|--------------------------------------------------------------------------------------|
| <b>Product Name:</b>      | Methylprednisolone Acetate EP Impurity D                                                      | <b>Catalogue Number:</b> | C4X-19195                                                                            |
| <b>Synonyms:</b>          | N/A                                                                                           | <b>Lot Number:</b>       | 0210-RG-0071                                                                         |
| <b>CAS Number:</b>        | 150899-33-5                                                                                   | <b>Expiry Date:</b>      | Feb 07, 2028                                                                         |
| <b>Molecular Formula:</b> | C <sub>22</sub> H <sub>30</sub> O <sub>5</sub> C <sub>22</sub> H <sub>28</sub> O <sub>4</sub> | <b>Storage:</b>          | -80°C±5°C Protected from light and Sealed                                            |
| <b>Molecular Weight:</b>  | 374.47 356.46                                                                                 | <b>Warning:</b>          |  |

Chemical Structure:



| Test Items     | Method            | Results           |
|----------------|-------------------|-------------------|
| Appearance     | Visual inspection | Pale Yellow Solid |
| Identification | LCMS&HNMR         | Confirmed         |
| Purity         | HPLC              | 97.4866%          |
| Loss On Drying | TGA               | 2.066%            |
| Assay          |                   | 95.5%             |

## Comment:

The calculation of the 100% method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Loss On Drying) \* Purity HPLC (%) / 100%

Loss On Drying is considered as absolute effect, HPLC purity is considered as relative effect.

## Signature:

Prepared by:

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Reviewed by:

*Hinlam*

Approved by General Manager:

*David*

Date: Feb 11, 2025

Date: Feb 11, 2025

Date: Feb 11, 2025

