

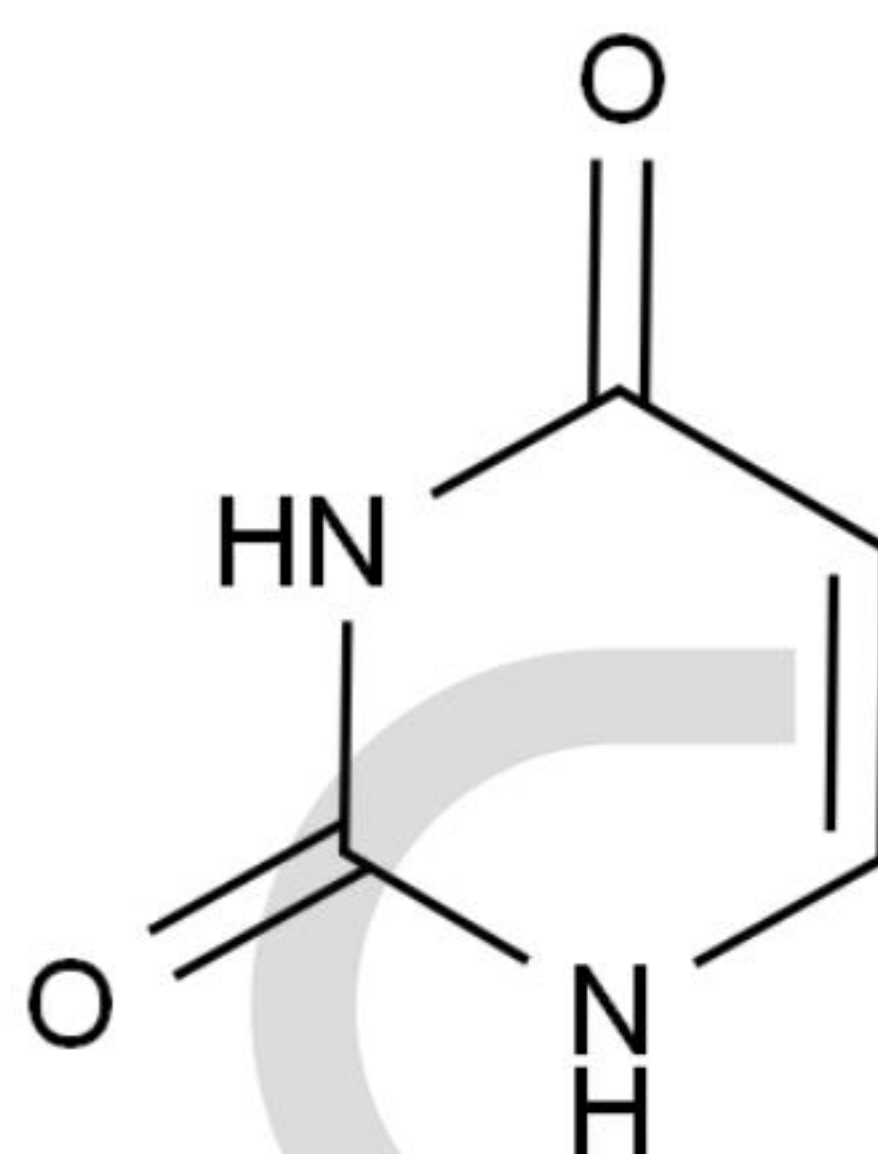
# Certificate of Analysis

## Reference Material & Standard

|                    |                                                             |                   |                                           |
|--------------------|-------------------------------------------------------------|-------------------|-------------------------------------------|
| Product Name:      | Lamivudine EP Impurity F                                    | Catalogue Number: | C4X-11949                                 |
| Synonyms:          | N/A                                                         | Lot Number:       | 0411-RG-0093                              |
| CAS Number:        | 66-22-8                                                     | Expiry Date:      | Apr 17, 2028                              |
| Molecular Formula: | C <sub>4</sub> H <sub>4</sub> N <sub>2</sub> O <sub>2</sub> | Storage:          | 2°C ~ 8°C Protected from light and Sealed |
| Molecular Weight:  | 112.09                                                      | Warning:          |                                           |



Chemical Structure:



| Test Items     | Method            | Results     |
|----------------|-------------------|-------------|
| Appearance     | Visual inspection | White Solid |
| Identification | LCMS&HNMR         | Confirmed   |
| Purity         | HPLC              | 100.000%    |
| Loss On Drying | TGA               | 0.1242%     |
| Assay          |                   | 99.9%       |

## 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:

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Date: Apr 18, 2025

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