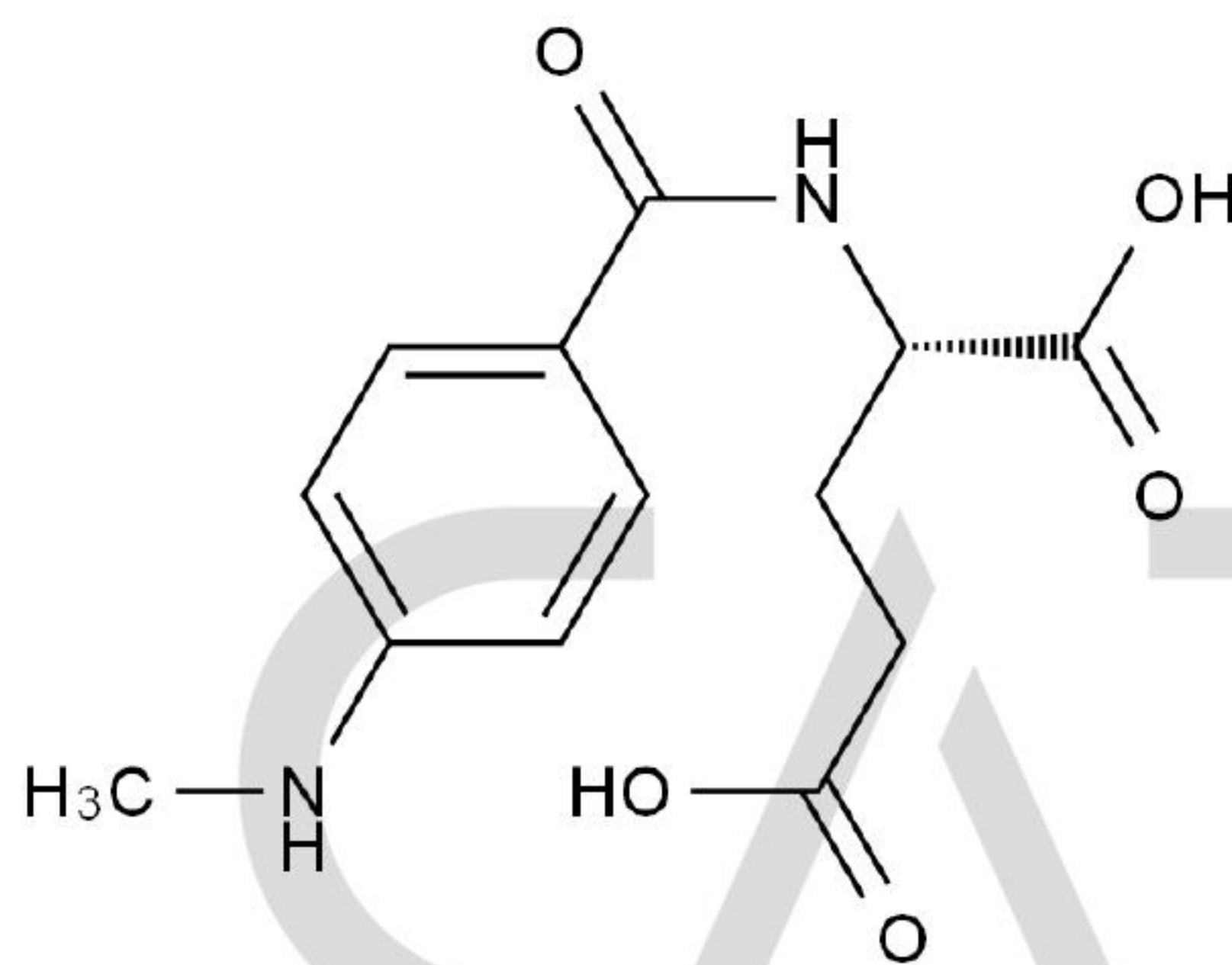


# Certificate of Analysis

## Reference Material & Standard

|                           |                                                               |                            |                                           |
|---------------------------|---------------------------------------------------------------|----------------------------|-------------------------------------------|
| <b>Product Name:</b>      | Methotrexate EP Impurity L                                    | <b>Catalogue Number:</b>   | C4X-115419                                |
| <b>Synonyms:</b>          | N/A                                                           | <b>Lot Number:</b>         | 0716-RH-0087                              |
| <b>CAS Number:</b>        | 52980-68-4                                                    | <b>Expiry Date:</b>        | Jul 19, 2030                              |
| <b>Molecular Formula:</b> | C <sub>13</sub> H <sub>16</sub> N <sub>2</sub> O <sub>5</sub> | <b>Storage:</b>            | 2°C ~ 8°C Protected from light and Sealed |
| <b>Molecular Weight:</b>  | 280.28                                                        | <b>Shipping Condition:</b> | Shipping at Room Temperature              |

Chemical Structure:



| Test Items     | Method            | Results         |
|----------------|-------------------|-----------------|
| Appearance     | Visual inspection | Off-White Solid |
| Identification | LCMS&HNMR         | Confirmed       |
| Purity         | HPLC              | 99.316%         |
| Loss on Drying | TGA               | 2.4554%         |
| Assay          |                   | 96.9%           |

## Comment:

The calculation of the mass balance 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:

*Koi*

Approved by General Manager:

*David*

Date: Jul 20, 2026

Date: Jul 20, 2026

Date: Jul 20, 2026



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