

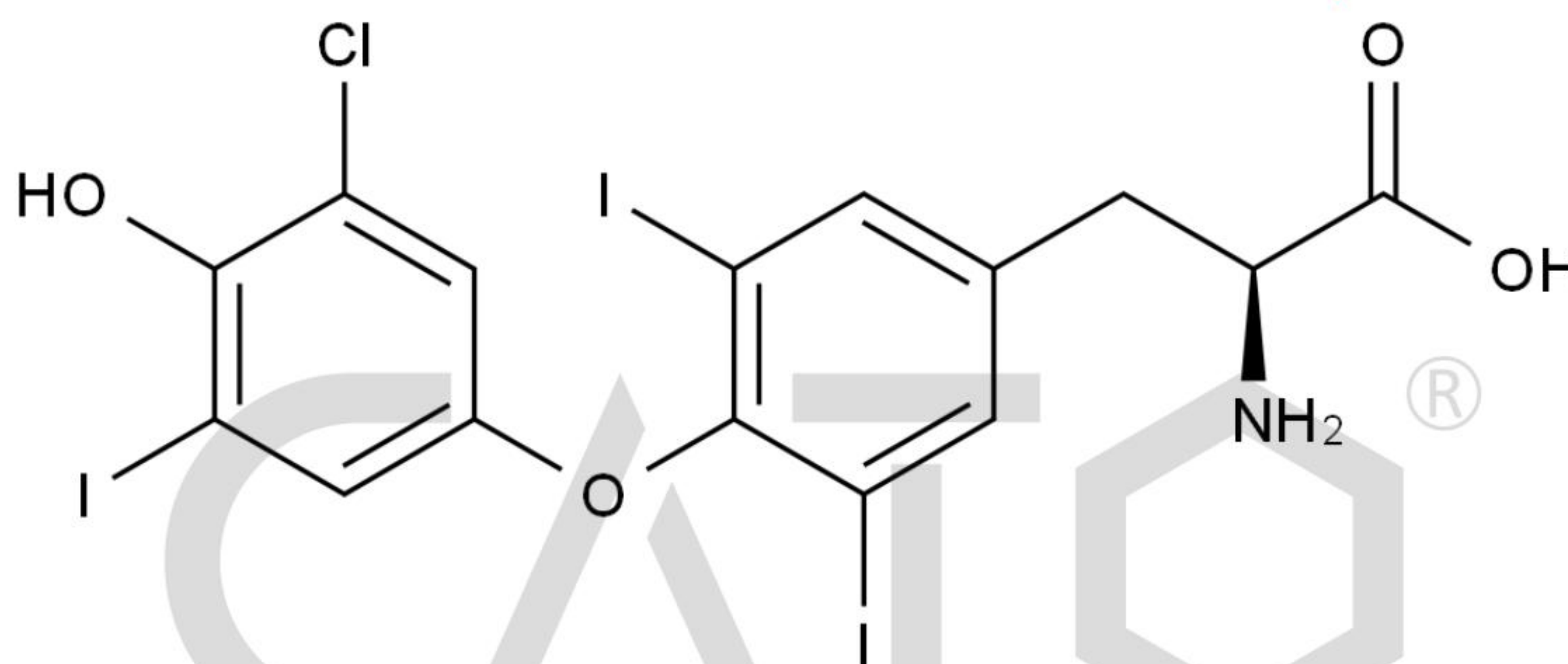
# Certificate of Analysis

## Reference Material & Standard

|                           |                                                                  |                          |                                           |
|---------------------------|------------------------------------------------------------------|--------------------------|-------------------------------------------|
| <b>Product Name:</b>      | Levothyroxine EP Impurity B                                      | <b>Catalogue Number:</b> | C4X-16782                                 |
| <b>Synonyms:</b>          | N/A                                                              | <b>Lot Number:</b>       | 0807-RG-0013                              |
| <b>CAS Number:</b>        | 1628720-66-0                                                     | <b>Expiry Date:</b>      | Aug 10, 2029                              |
| <b>Molecular Formula:</b> | C <sub>15</sub> H <sub>11</sub> ClI <sub>3</sub> NO <sub>4</sub> | <b>Storage:</b>          | 2°C ~ 8°C Protected from light and Sealed |
| <b>Molecular Weight:</b>  | 685.42                                                           | <b>Warning:</b>          |                                           |



Chemical Structure:



| Test Items     | Method            | Results     |
|----------------|-------------------|-------------|
| Appearance     | Visual inspection | White Solid |
| Identification | LCMS&HNMR         | Confirmed   |
| Purity         | HPLC              | 95.684%     |
| Loss On Drying | TGA               | 0.2569%     |
| Assay          |                   | 95.4%       |

## 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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Approved by General Manager:

*David*

Date: Aug 11, 2025

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