

# Certificate of Analysis

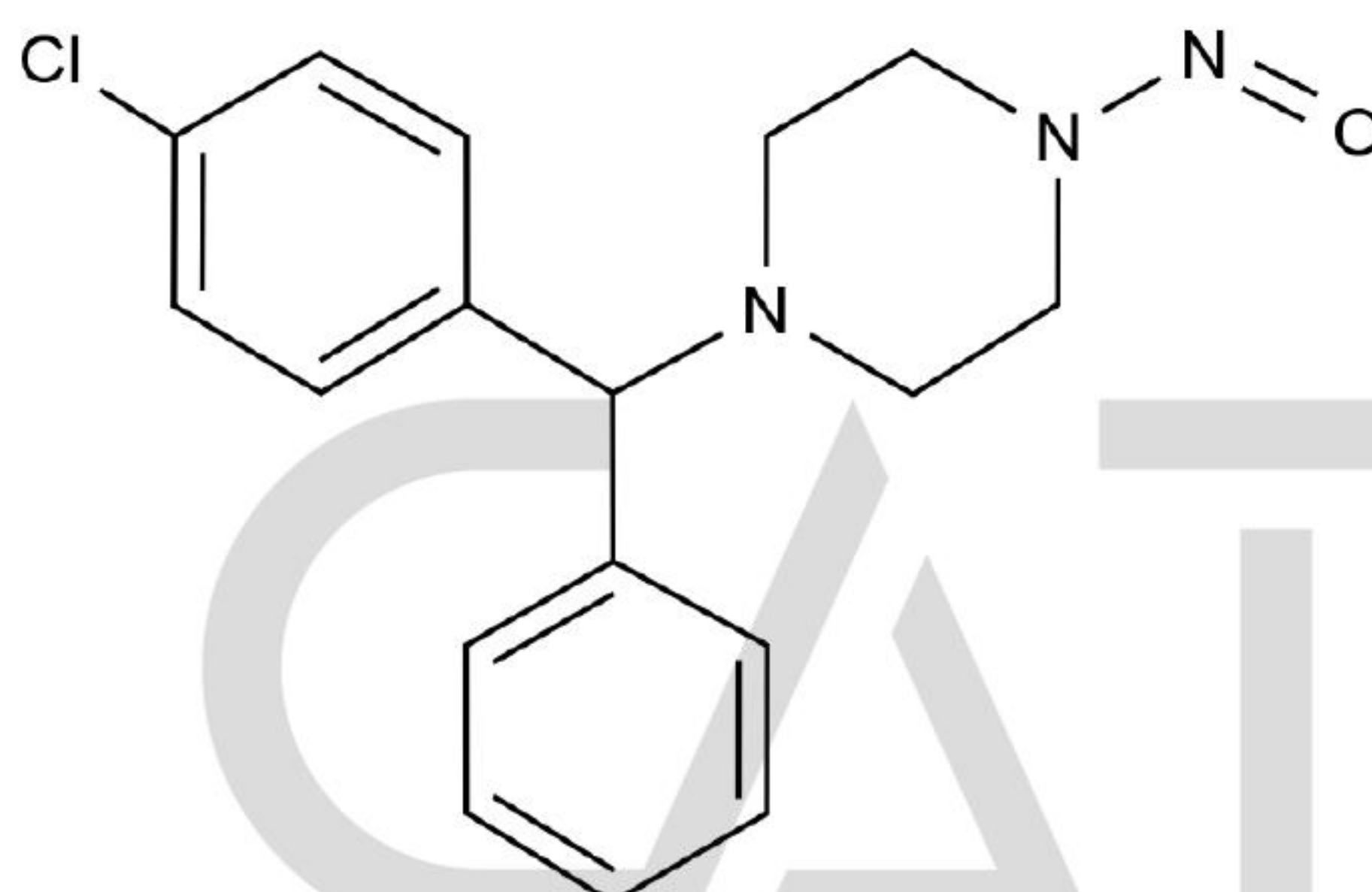
## Reference Material & Standard

|                           |                                                    |                            |                                           |
|---------------------------|----------------------------------------------------|----------------------------|-------------------------------------------|
| <b>Product Name:</b>      | N-Nitroso Cetirizine EP Impurity A                 | <b>Catalogue Number:</b>   | C1931342                                  |
| <b>Synonyms:</b>          | N/A                                                | <b>Lot Number:</b>         | 1105-RG-0083                              |
| <b>CAS Number:</b>        | 2005-04-1                                          | <b>Expiry Date:</b>        | Apr 01, 2028                              |
| <b>Molecular Formula:</b> | C <sub>17</sub> H <sub>18</sub> ClN <sub>3</sub> O | <b>Storage:</b>            | 2°C ~ 8°C Protected from light and Sealed |
| <b>Molecular Weight:</b>  | 315.80                                             | <b>Shipping Condition:</b> | Shipping at Room Temperature              |

**Warning:**



**Chemical Structure:**



| Test Items     | Method            | Results           |
|----------------|-------------------|-------------------|
| Appearance     | Visual inspection | Pale Yellow Solid |
| Identification | LCMS&HNMR         | Confirmed         |
| Purity         | HPLC              | 99.730%           |
| Loss on Drying | TGA               | 0.9557%           |
| Assay          |                   | 98.8%             |

## 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:**

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Reviewed by:

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Approved by General Manager:

*David*

Date: Nov 06, 2025

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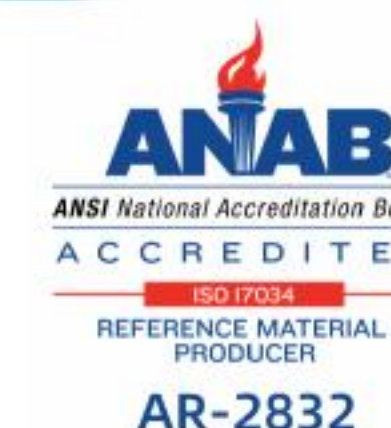
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