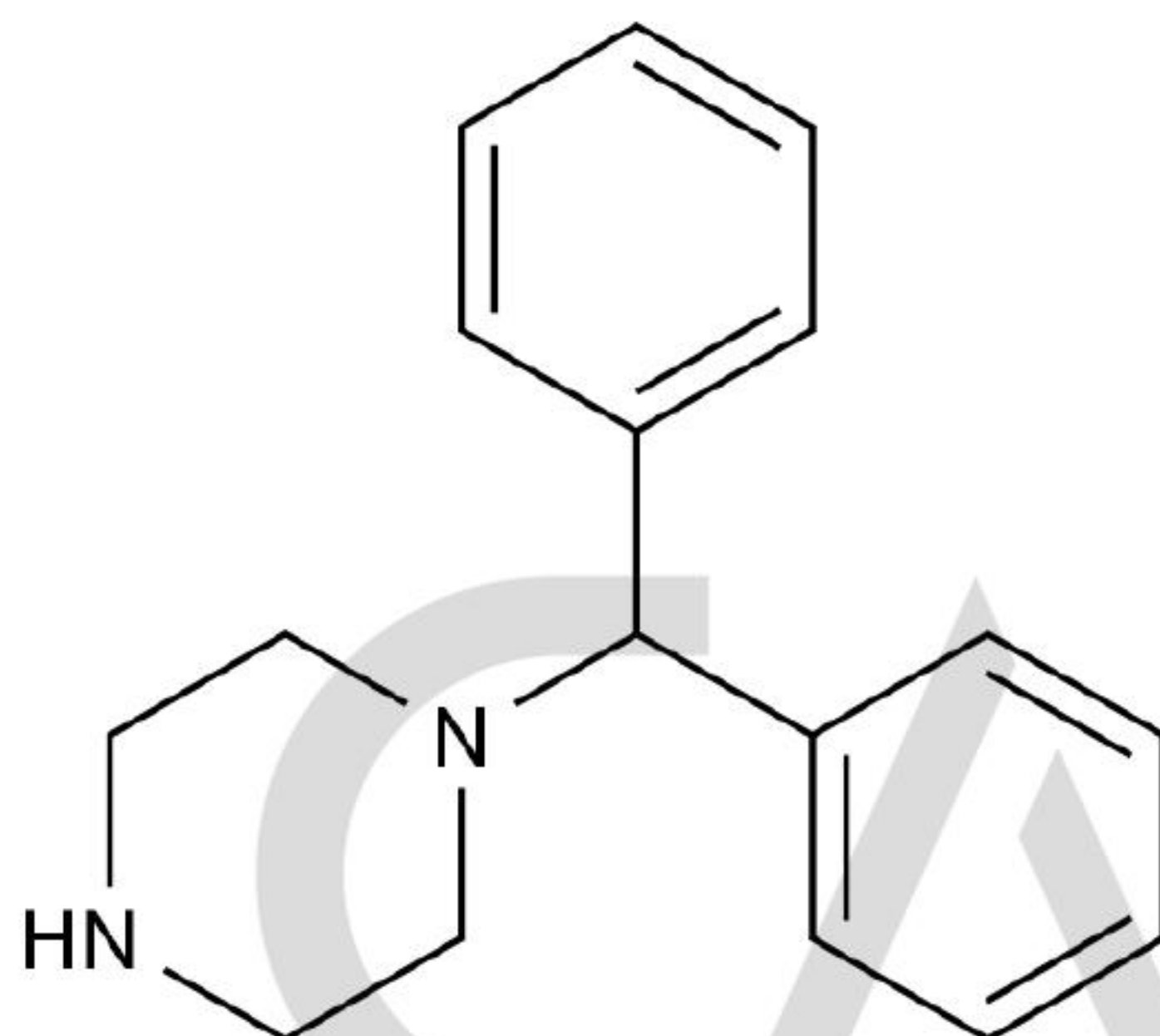


# Certificate of Analysis

## Reference Material & Standard

|                    |                                                |                   |                                                                                     |
|--------------------|------------------------------------------------|-------------------|-------------------------------------------------------------------------------------|
| Product Name:      | Cinnarizine EP Impurity A                      | Catalogue Number: | C4X-13981                                                                           |
| Synonyms:          | N/A                                            | Lot Number:       | 1129-RF-0007                                                                        |
| CAS Number:        | 841-77-0                                       | Expiry Date:      | Dec 03, 2027                                                                        |
| Molecular Formula: | C <sub>17</sub> H <sub>20</sub> N <sub>2</sub> | Storage:          | 2°C ~ 8°C Protected from light and Sealed                                           |
| Molecular Weight:  | 252.35                                         | Warning:          |  |

Chemical Structure:



| Test Items     | Method            | Results     |
|----------------|-------------------|-------------|
| Appearance     | Visual inspection | White Solid |
| Identification | LCMS&HNMR         | Confirmed   |
| Purity         | HPLC              | 99.074%     |
| Loss On Drying | TGA               | 0.1044%     |
| Assay          |                   | 99.0%       |

## Comment:

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

$\text{Assay (\%)} = (100\% - \text{Loss On Drying}) * \text{Purity HPLC (\%)} / 100\%$

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

## Signature:

Prepared by:

*Nice*

Reviewed by:

*Koi*

Approved by General Manager:

*David*

Date: Dec 04, 2024

Date: Dec 04, 2024

Date: Dec 04, 2024

