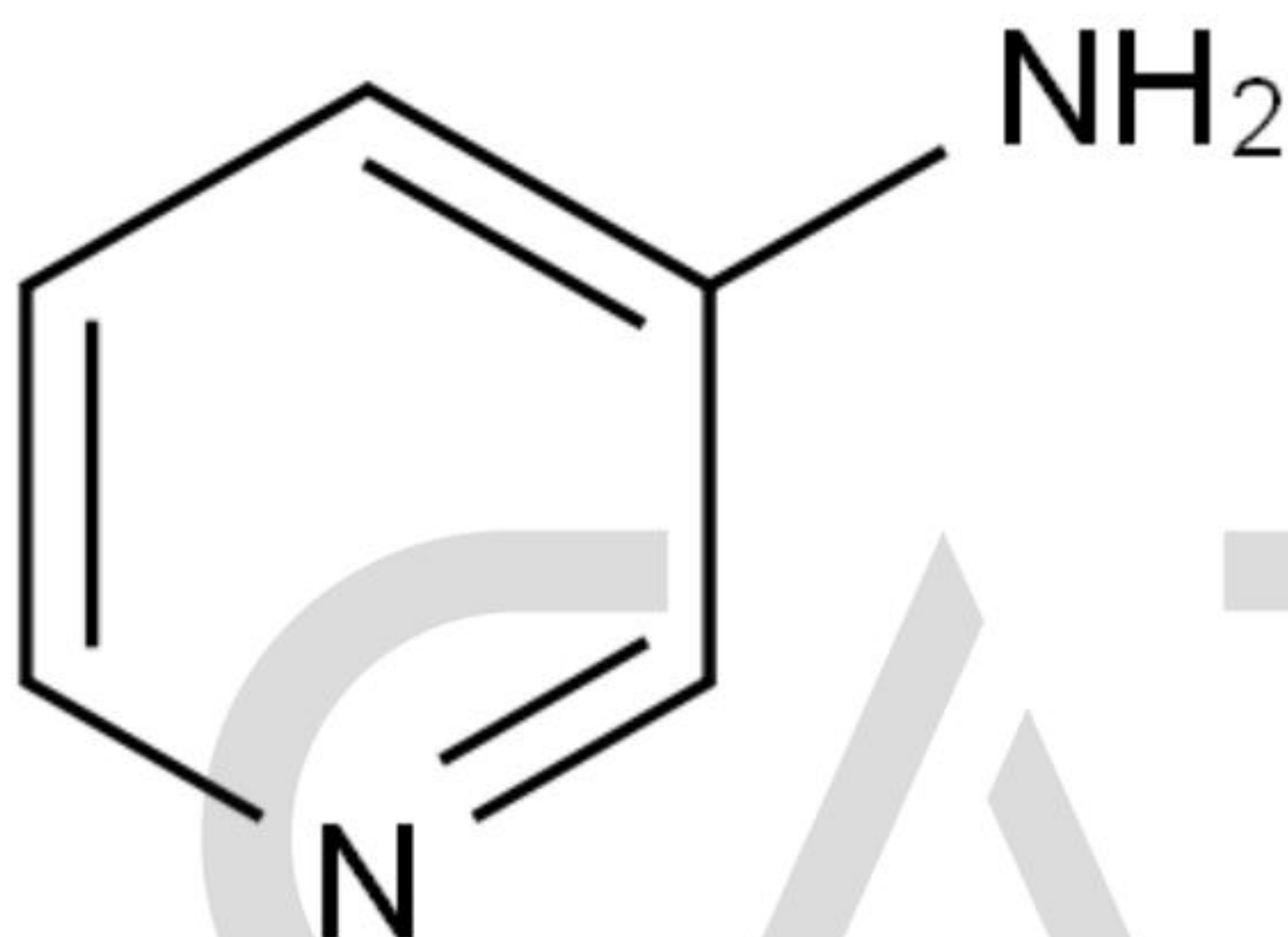


# Certificate of Analysis

## Reference Material & Standard

|                    |                                              |                   |                                                                                                                                                                                                                                                             |
|--------------------|----------------------------------------------|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name:      | Alogliptin Impurity 34                       | Catalogue Number: | C4X-109934                                                                                                                                                                                                                                                  |
| Synonyms:          | N/A                                          | Lot Number:       | 0321-RG-0062                                                                                                                                                                                                                                                |
| CAS Number:        | 462-08-8                                     | Expiry Date:      | Mar 20, 2028                                                                                                                                                                                                                                                |
| Molecular Formula: | C <sub>5</sub> H <sub>6</sub> N <sub>2</sub> | Storage:          | 2°C ~ 8°C Protected from light and Sealed                                                                                                                                                                                                                   |
| Molecular Weight:  | 94.11                                        | Warning:          |    |

Chemical Structure:



| Test Items     | Method            | Results     |
|----------------|-------------------|-------------|
| Appearance     | Visual inspection | Brown Solid |
| Identification | GCMS&IR&HNMR      | Confirmed   |
| Purity         | GC                | 100.000%    |
| Loss On Drying | TGA               | 0.8366%     |
| Assay          |                   | 99.2%       |

## Comment:

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

Assay (%) = (100% - Loss On Drying) \* Purity GC (%) / 100%

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

## Signature:

Prepared by:

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Reviewed by:

*Lisa*

Approved by General Manager:

*David*

Date: Mar 21, 2025

Date: Mar 21, 2025

Date: Mar 21, 2025

