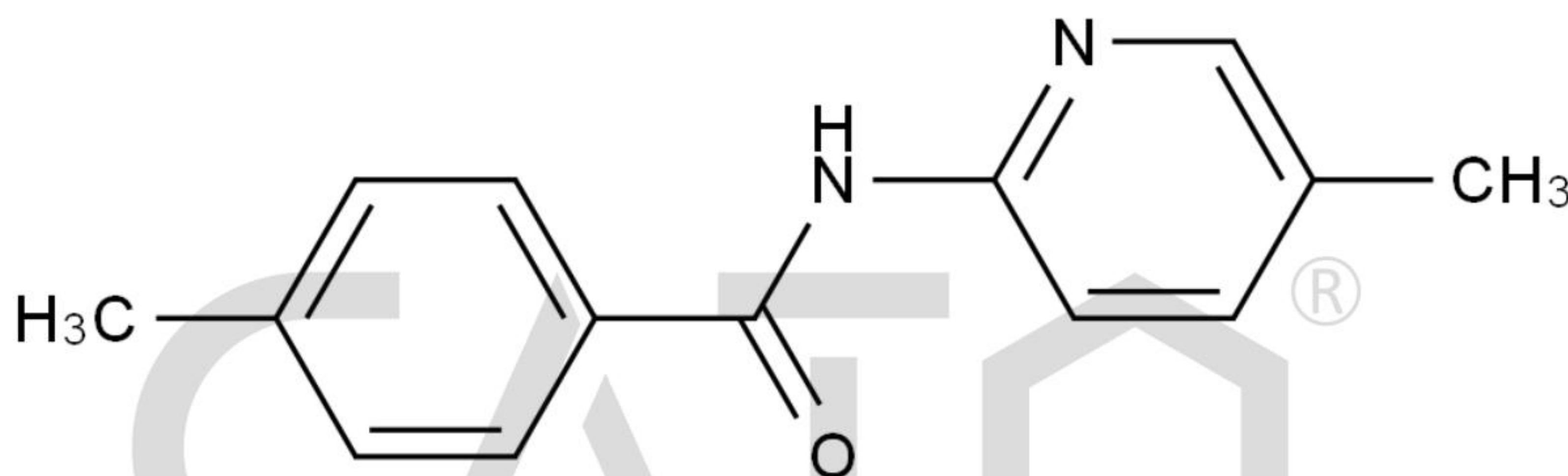


# Certificate of Analysis

## Reference Material & Standard

|                           |                                                  |                            |                                           |
|---------------------------|--------------------------------------------------|----------------------------|-------------------------------------------|
| <b>Product Name:</b>      | 4-methyl-N-(5-methylpyridin-2-yl)benzamide       | <b>Catalogue Number:</b>   | C4X-14863                                 |
| <b>Synonyms:</b>          | N/A                                              | <b>Lot Number:</b>         | 1128-RG-0091                              |
| <b>CAS Number:</b>        | 349122-64-1                                      | <b>Expiry Date:</b>        | Dec 01, 2029                              |
| <b>Molecular Formula:</b> | C <sub>14</sub> H <sub>14</sub> N <sub>2</sub> O | <b>Storage:</b>            | 2°C ~ 8°C Protected from light and Sealed |
| <b>Molecular Weight:</b>  | 226.27                                           | <b>Shipping Condition:</b> | Shipping at Room Temperature              |
| <b>Solubility:</b>        | Acetonitrile                                     |                            |                                           |

Chemical Structure:



| Test Items     | Method            | Results     |
|----------------|-------------------|-------------|
| Appearance     | Visual inspection | White Solid |
| Identification | LCMS&HNMR         | Confirmed   |
| Purity         | HPLC              | 100.000%    |
| Loss on Drying | TGA               | 0.1041%     |
| Assay          |                   | 99.9%       |

## 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: Dec 02, 2025

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Date: Dec 02, 2025



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