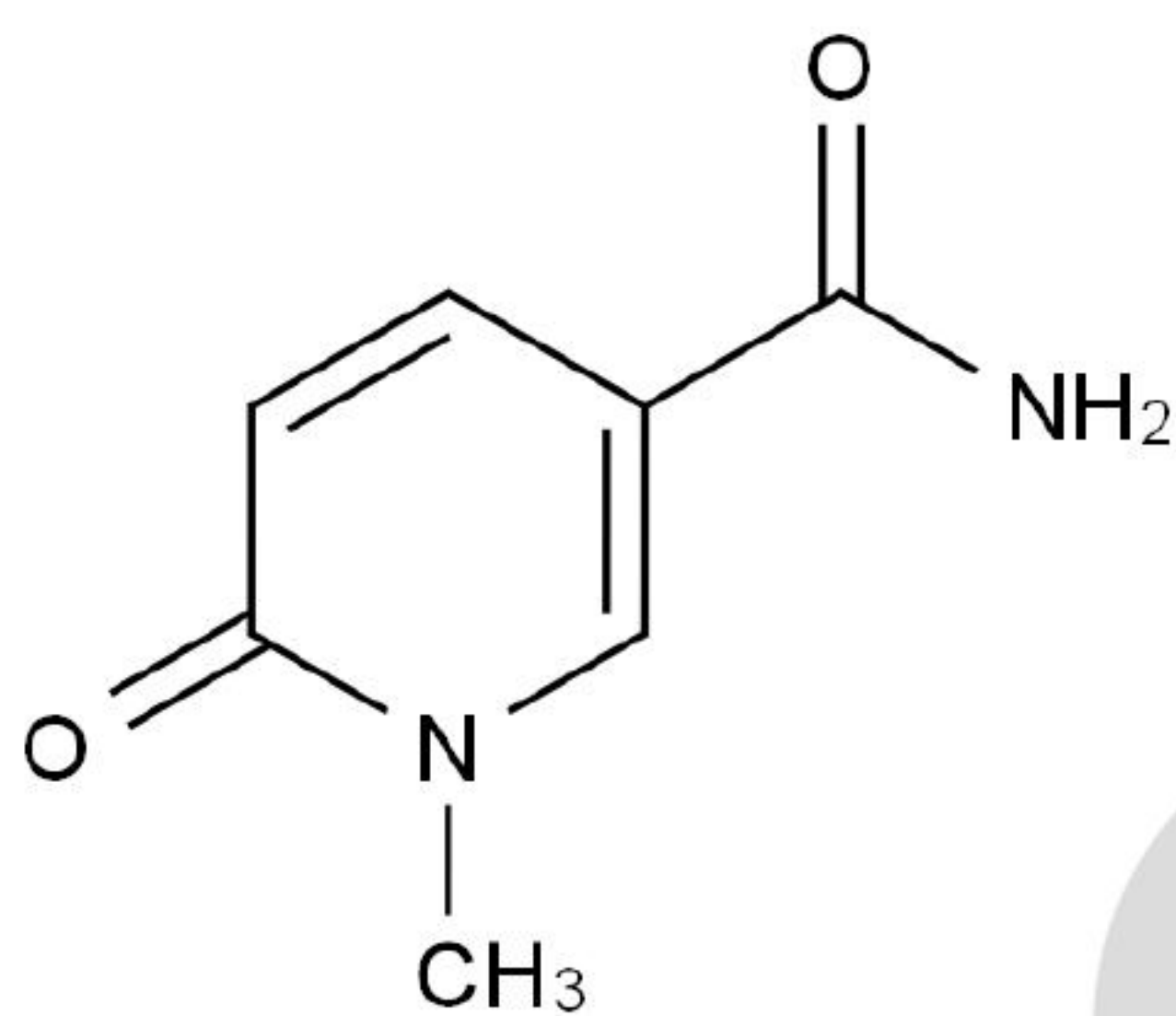


# Certificate of Analysis

## Reference Material & Standard

|                            |                                                  |                          |                                           |
|----------------------------|--------------------------------------------------|--------------------------|-------------------------------------------|
| <b>Product Name:</b>       | 1-Methyl-6-Oxo-1,6-Dihydropyridine-3-Carboxamide | <b>Catalogue Number:</b> | CCAD301525                                |
| <b>Synonyms:</b>           | N/A                                              | <b>Lot Number:</b>       | 0607-RE-0006                              |
| <b>CAS Number:</b>         | 701-44-0                                         | <b>Expiry Date:</b>      | Jun 05, 2027                              |
| <b>Molecular Formula:</b>  | C7H8N2O2                                         | <b>Storage:</b>          | -20°C±5°C Protected from light and Sealed |
| <b>Molecular Weight:</b>   | 152.15                                           |                          |                                           |
| <b>Chemical Structure:</b> |                                                  |                          |                                           |



| Test Items     | Method            | Results                   |
|----------------|-------------------|---------------------------|
| Appearance     | Visual inspection | White to Off-White Powder |
| Identification | LCMS&HNMR         | Confirmed                 |
| Purity         | GC                | 98.655%                   |
| Loss On Drying | TGA               | 0.0675%                   |
| Assay          |                   | 98.6%                     |
| Uncertainty    |                   | ±2.0%                     |

## Comment:

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

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

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

2. The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

## Signature:

Prepared by: 古雪

Reviewed by:

*Xenia*

Aproved by General Manager:

*David*

Date: Jun 06, 2023

Date: Jun 07, 2023

Date: Jun 07, 2023

