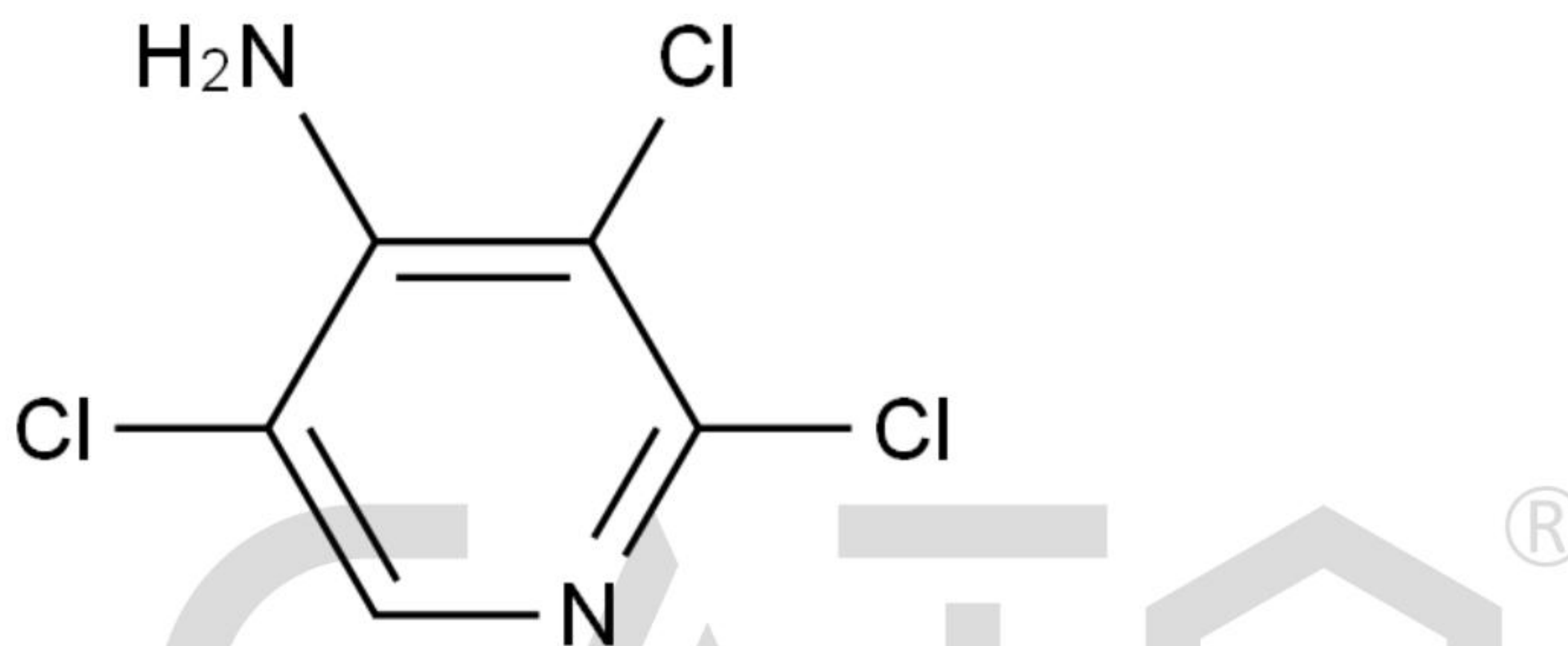


# Certificate of Analysis

## Reference Material

|                    |                                                              |                   |                                           |
|--------------------|--------------------------------------------------------------|-------------------|-------------------------------------------|
| Product Name:      | 2,3,5-Trichloropyridin-4-amine                               | Catalogue Number: | CCPD101420                                |
| Chemical Name:     | N/A                                                          | Lot Number:       | 1212-RD-0094                              |
| CAS Number:        | 28443-69-8                                                   | Expiry Date:      | Nov 25, 2026                              |
| Molecular Formula: | C <sub>5</sub> H <sub>3</sub> Cl <sub>3</sub> N <sub>2</sub> | Storage:          | 2°C ~ 8°C Protected from light and Sealed |
| Molecular Weight:  | 197.45                                                       |                   |                                           |

Chemical Structure:



| Test Items     | Method            | Results                        |
|----------------|-------------------|--------------------------------|
| Appearance     | Visual inspection | Pale Beige to Pale Brown Solid |
| Identification | LCMS&CNMR&HNMR    | Confirmed                      |
| Purity         | HPLC              | 98.7%                          |
| Uncertainty    |                   | ±2.0%                          |

## Comment:

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:

*Xenia*

Reviewed by:

*Hinlam*

Aporoved by General manager:

*David*

Date: Nov 26, 2022

Date: Dec 19, 2022

Date: Dec 19, 2022

