

# Certificate of Analysis

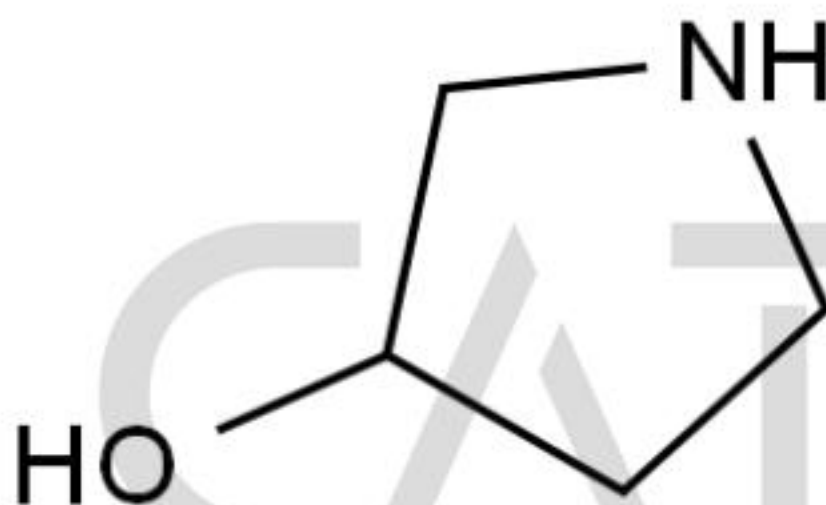
## Reference Material & Standard

|                    |                                  |                   |                                           |
|--------------------|----------------------------------|-------------------|-------------------------------------------|
| Product Name:      | Pyrrolidin-3-ol                  | Catalogue Number: | CS331461                                  |
| Synonyms:          | N/A                              | Lot Number:       | 1120-SA-7462                              |
| CAS Number:        | 40499-83-0                       | Expiry Date:      | Nov 19, 28                                |
| Molecular Formula: | C <sub>4</sub> H <sub>9</sub> NO | Storage:          | 2°C ~ 8°C Protected from light and Sealed |
| Molecular Weight:  | 87.12                            |                   |                                           |

Warning:



Chemical Structure:



| Test Items      | Method            | Results   |
|-----------------|-------------------|-----------|
| Appearance      | Visual inspection | liquid    |
| Identification: | LC&HNMR           | Confirmed |
| Purity:         | HPLC              | 97.914%   |
| 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:

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Approved by General Manager:

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Date: Nov 20, 24

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## Directions:

1. *Intended use: This product is suitable for identification and quantification of the analyte(s), instrument calibration, method development and quality control in analytical and R&D applications. It is not intended for administration to humans or animals, and shall not be used to diagnose, treat or cure any diseases.*
2. *Minimum sample size: 1mg is recommended as the minimum sample size.*
3. *Metrological traceability: This product meets the requirements of ISO 17034 and is traceable to NMI through an unbroken chain of comparisons.*
4. *Instructions for handling and correct use: Handling in a well-ventilated place.*

## Document Version:

| Revision No. | Date       | Reason for Revision |
|--------------|------------|---------------------|
| 01           | Nov 20, 24 | First release.      |

