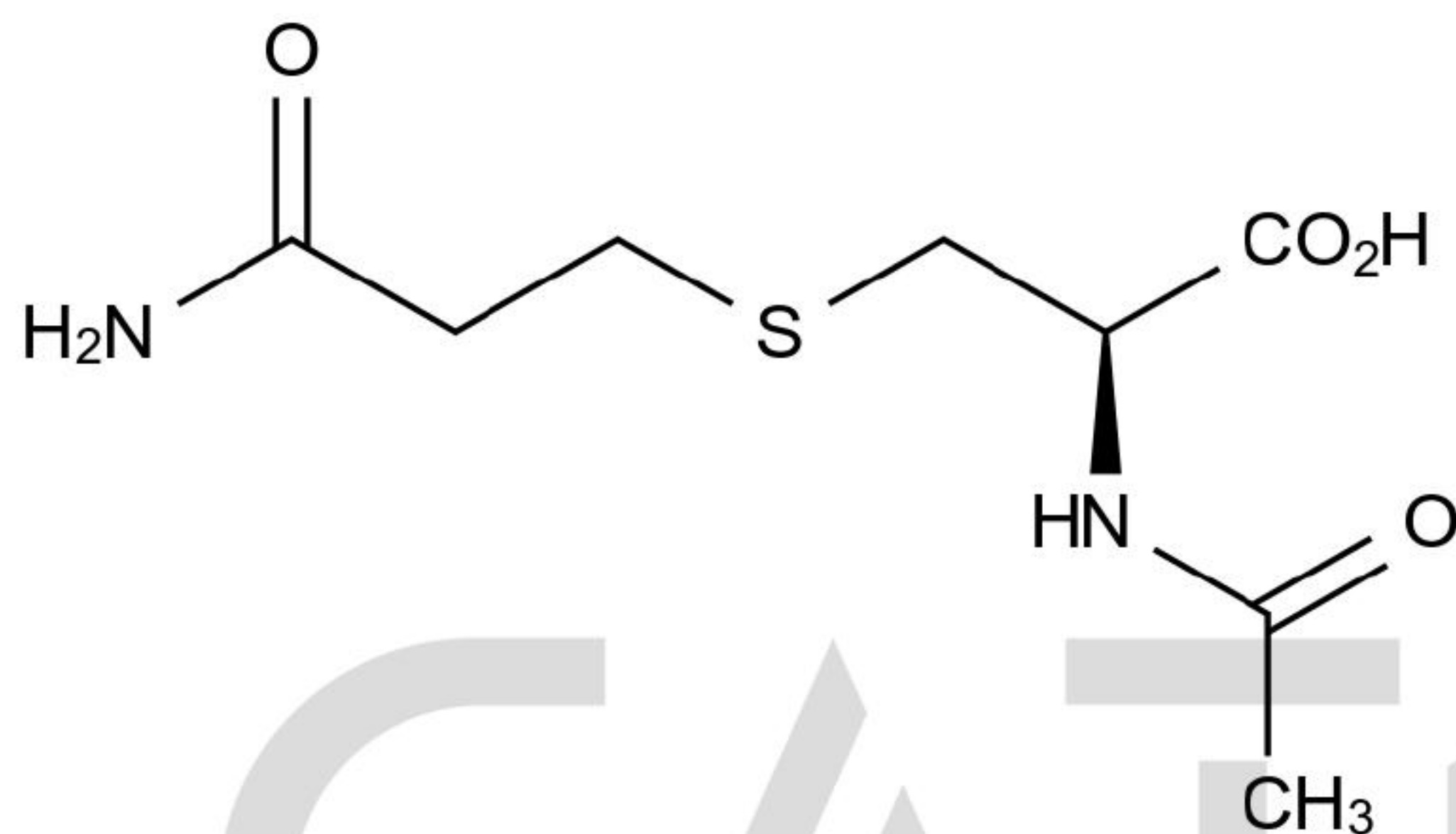


# Certificate of Analysis

## Reference Material

|                    |                                                                |                   |                                           |
|--------------------|----------------------------------------------------------------|-------------------|-------------------------------------------|
| Product Name:      | N-Acetyl-S-(carbamoyl-ethyl)-L-cysteine                        | Catalogue Number: | CCHM702935                                |
| Chemical Name:     | N/A                                                            | Lot Number:       | 1227-RD-0073                              |
| CAS Number:        | 81690-92-8                                                     | Expiry Date:      | May 21, 2027                              |
| Molecular Formula: | C <sub>8</sub> H <sub>14</sub> N <sub>2</sub> O <sub>4</sub> S | Storage:          | 2°C ~ 8°C Protected from light and Sealed |
| Molecular Weight:  | 234.27                                                         |                   |                                           |

Chemical Structure:



| Test Items     | Method            | Results     |
|----------------|-------------------|-------------|
| Appearance     | Visual inspection | White Solid |
| Identification | LCMS&HNMR         | Confirmed   |
| Purity         | HPLC              | 100.0%      |
| 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: May 22, 2020

Date: Jan 09, 2023

Date: Jan 09, 2023

