

# Certificate of Analysis

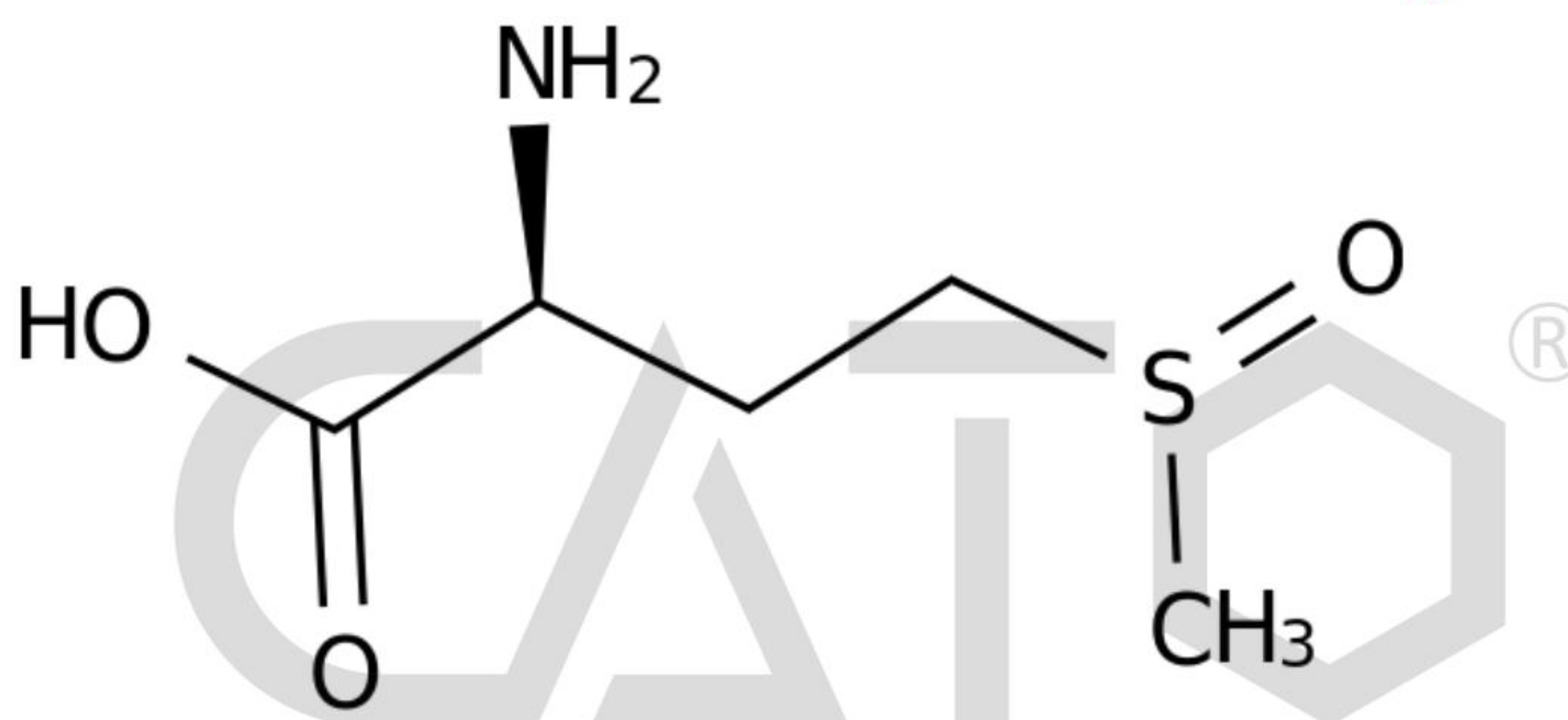
## Reference Material & Standard

|                    |                                                  |                   |                                           |
|--------------------|--------------------------------------------------|-------------------|-------------------------------------------|
| Product Name:      | Methionine EP Impurity A                         | Catalogue Number: | C4X-18275                                 |
| Synonyms:          | L-Methionine sulfoxide                           | Lot Number:       | 0123-RG-0027                              |
| CAS Number:        | 3226-65-1                                        | Expiry Date:      | Jan 23, 2028                              |
| Molecular Formula: | C <sub>5</sub> H <sub>11</sub> NO <sub>3</sub> S | Storage:          | 2°C ~ 8°C Protected from light and Sealed |
| Molecular Weight:  | 165.21                                           |                   |                                           |

Warning:



Chemical Structure:



| Test Items     | Method            | Results     |
|----------------|-------------------|-------------|
| Appearance     | Visual inspection | White Solid |
| Identification | LCMS&CNMR&HNMR    | Confirmed   |
| Purity         | HPLC              | 99.794%     |
| Loss on Drying | TGA               | 0.0217%     |
| Assay          |                   | 99.8%       |

## 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:

*Nice*

Reviewed by:

*Koi*

Approved by General Manager:

*David*

Date: Jan 24, 2025

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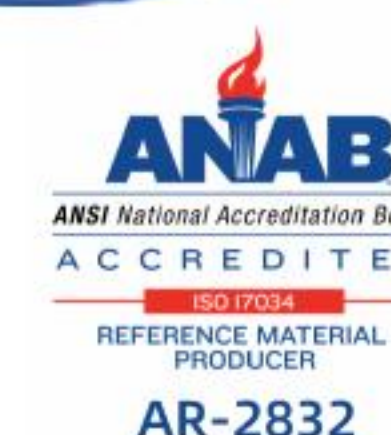
Add: 3rd Floor, Building B, No.179, Guangpu Rd East, Huangpu District, Guangzhou, China

Tel: +86-20-81960175

Email: supports@cato-chem.com

Web: <https://www.cato-chem.com>

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