## **Certificate of Analysis**

## (S)-L-Cystine-15N<sub>2</sub>

 Cat. No.:
 HY-N0394S2

 Batch No.:
 317998

Chemical Name: (S)-L-Cystine-15N2

## PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:  $C_6H_{12}^{15}N_2O_4S_2$ 

Molecular Weight: 242.29

Storage: Powder -20°C 3 years

4°C 2 years

In solvent -80°C 6 months

-20°C 1 month

**Chemical Structure:** 

$$\begin{array}{c} \text{HO} \xrightarrow{15} \text{NH}_2 \\ \text{O} \\ \text{O} \\ \end{array} \text{S} \xrightarrow{15} \text{NH}_2 \\ \text{OH} \\ \end{array}$$

## **ANALYTICAL DATA**

Appearance: Off-white to light yellow (Solid)

Purity (HPLC): 99.00%
Isotopic Enrichment: 98.80%

**Conclusion:** The product has been tested and complies with the given specifications.

Caution: Product has not been fully validated for medical applications. For research use only.

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