## **Certificate of Analysis**

## L-Glutamic acid

 Cat. No.:
 HY-14608

 CAS No.:
 56-86-0

 Batch No.:
 416488

Chemical Name: L-Glutamic acid

## PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:  $C_5H_9NO_4$  Molecular Weight: 147.13

Storage: Powder -20°C 3 years

4°C 2 years

In solvent -80°C 6 months

-20°C 1 month

**Chemical Structure:** 

$$H_2N$$
 OH OH

## **ANALYTICAL DATA**

Appearance: White to off-white (Solid)

<sup>1</sup> H NMR Spectrum: Consistent with structure

MS: Consistent with structure

Purity (HPLC): 99.84%

**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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