## **Certificate of Analysis**

## L-Pyroglutamic acid ethyl ester

Cat. No.: HY-40269
CAS No.: 7149-65-7
Batch No.: 133991

Chemical Name: L-Proline, 5-oxo-, ethyl ester

## PHYSICAL AND CHEMICAL PROPERTIES

Storage: Powder -20°C 3 years

4°C 2 years

In solvent -80°C 6 months

-20°C 1 month

**Chemical Structure:** 

## **ANALYTICAL DATA**

Appearance: White to off-white (Solid)

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

Purity (GC): 99.89%

**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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