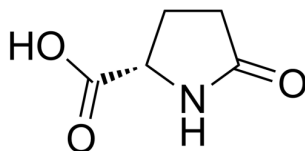


## Certificate of Analysis

### Compound Information

Product Name:	L-Pyroglutamic acid
Cat. No.:	1047693
CAS No.:	98-79-3
Molecular Formula:	C <sub>5</sub> H <sub>7</sub> NO <sub>3</sub>
Molecular Weight:	129.11
Chemical Structure:	



### Batch Information

Batch No.:	L344491
Storage:	Storage temp. 2-8°C
Test Date:	2024-01-29
Retest Date:	2027-01-28
Origin:	Shanghai, China

### QC Summary

Appearance:	White to light yellow (Solid)
<sup>1</sup> H NMR Spectrum:	Consistent with structure
MS:	Consistent with structure
Purity (NMR):	≥98.0%
Optical Rotation[α]:	-12.167°(C=0.01g/ml H <sub>2</sub> O)
Conclusion:	The product has been tested and complies with the given specifications.

Caution: Research use only and are not intended for human use.

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