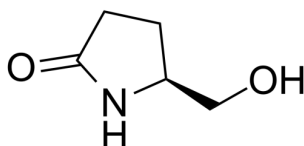


## Certificate of Analysis

### Compound Information

<b>Product Name:</b>	(S)-(+)-5-Hydroxymethyl-2-pyrrolidinone
<b>Cat. No.:</b>	1023690
<b>CAS No.:</b>	17342-08-4
<b>Molecular Formula:</b>	C <sub>5</sub> H <sub>9</sub> NO <sub>2</sub>
<b>Molecular Weight:</b>	115.13
<b>Chemical Structure:</b>	



### Batch Information

<b>Batch No.:</b>	Le020340598
<b>Storage:</b>	Store at room temperature
<b>Mfg. Date:</b>	2021-02-03
<b>Retest Date:</b>	2024-02-02
<b>Origin:</b>	Shanghai, China

### QC Summary

<b>Appearance:</b>	White to light yellow (Solid)
<b><sup>1</sup>H NMR Spectrum:</b>	Consistent with structure
<b>Optical Rotation:</b>	Consistent with structure
<b>Purity (NMR):</b>	≥98.0%
<b>Water(KF):</b>	0.4%
<b>Residue on Ignition:</b>	0.1%
<b>Conclusion:</b>	The product has been tested and complies with the given specifications.

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

Tel: 400-821-0725

E-mail: product@leyan.com

Address: No. 1999 Zhangheng Road, Building 3, Zhangjiang High-Tech Park, Shanghai