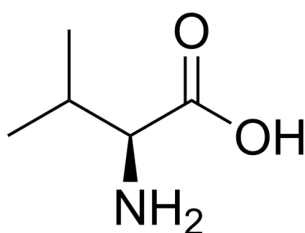


## Certificate of Analysis

### Compound Information

Product Name:	L-Valine
Cat. No.:	1040803
CAS No.:	72-18-4
Molecular Formula:	C <sub>5</sub> H <sub>11</sub> NO <sub>2</sub>
Molecular Weight:	117.15
Chemical Structure:	



### Batch Information

Batch No.:	Ld061505443
Storage:	Storage temp. 2-8°C
Test Date:	2020-06-15
Retest Date:	2023-06-14
Origin:	Shanghai, China

### QC Summary

Appearance:	White to off-white (Solid)
<sup>1</sup> H NMR Spectrum:	Consistent with structure
Optical Rotation:	Consistent with structure
Purity (NMR):	≥98.0%
Conclusion:	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](mailto:product@leyan.com)

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