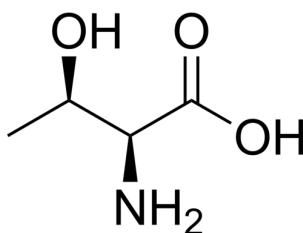


## Certificate of Analysis

### Compound Information

|                            |   |
|----------------------------|---|
| <b>Product Name:</b>       | L-Threonine                                   |
| <b>Cat. No.:</b>           | 1040805                                       |
| <b>CAS No.:</b>            | 72-19-5                                       |
| <b>Molecular Formula:</b>  | C <sub>4</sub> H <sub>9</sub> NO <sub>3</sub> |
| <b>Molecular Weight:</b>   | 119.12  |
| <b>Chemical Structure:</b> |   |



### Batch Information

|                     |                     |
|---------------------|---------------------|
| <b>Batch No.:</b>   | Ld120925476         |
| <b>Storage:</b>     | Storage temp. 2-8°C |
| <b>Test Date:</b>   | 2020-12-09          |
| <b>Retest Date:</b> | 2023-12-08          |
| <b>Origin:</b>      | Shanghai, China     |

### QC Summary

|                                    |   |
|------------------------------------|---|
| <b>Appearance:</b>                 | White to off-white (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>                  | 0.13%   |
| <b>Residue on Ignition:</b>        | 0.07%   |
| <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.

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