

### Certificate of Analysis

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**Product Information**

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Product Name	L-Threonine	Report Number	LTH20210720
CAS	72-19-5	Manufacture Date	2021/07/05
Batch Number	LTH210705	Expiry Date	2023/07/04
Batch Quantity	1000KG		

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Test Items	Test Standard	Test Result
Appearance	White Crystals or Crystalline Powder	Conforms
Assay	98.5% ~ 101.5%	99.60%
Identification(IR)	Concordant with the reference spectrum	Conforms
PH	5.0 ~ 6.5	5.9
Specific Rotation	-27.6° ~ -29°	-28.0°
State of Solution (Transmittance T <sub>430</sub> )	≥98%	98.65%
Chloride (Cl)	≤0.02%	Conforms
Ammonium (NH <sub>4</sub> )	≤0.02%	Conforms
Sulphate(as SO <sub>4</sub> )	≤0.02%	Conforms
Iron (Fe)	≤10ppm	Conforms
Heavy Metal	≤10ppm	Conforms
Arsenic	≤1ppm	Conforms
Other Amino Acids	≤0.5%	Conforms
Loss on Drying	≤0.2%	0.17%
Residue on Ignition	0.10%	0.05%

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**Conclusion**

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Conclusion	To be complied with in-house Specification and AJI92.
Shelf Life	2 years when properly stored.
Storage	Store in cool & dry place, not freeze. Keep away from strong light.

Tested by: 张丽娜

Checker: 李田

Approved:

