



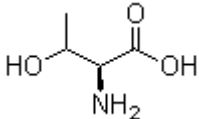
HANGZHOU DINGYAN CHEM CO.,LTD

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CERTIFICATE OF ANALYSIS

NO: **DYC071510263**

Product name	L-Threonine
CAS Number	72-19-5
Molecule Structure	
Molecule Formula	C4H9NO3
Batch number	20161015
Manufacture date	2016-10-15
Testing date	2016-10-15
Expiry date	2016-10-14

Items	Standard	Result
Appearance	White powder	Conform
Assay %	99.0-100.5	99.75
PH value	5.2-6.2	5.73
Specific optical rotation [α] _D ²⁰	-27.6° to -29°	-28.4°
State of solution, % (Transmittance), %	98.0 min	99.7
Loss on drying %	0.20 max	<0.20
Residue on ignition	0.10 max	0.05
Chloride (as Cl) %	0.02 max	<0.20
Heavy metals %	0.001 max	<0.001
Iron (as Fe) %	0.02 max	<0.02
Sulfate (as SO ₄) %	0.02 max	<0.02
Conclusion	Material conforms to the AJI92 standard.	

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QUALITY CONTROL:
Quality Control Edith
Signature(s)

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