



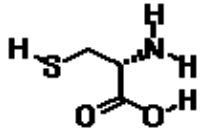
HANGZHOU DINGYAN CHEM CO.,LTD

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## CERTIFICATE OF ANALYSIS

NO: **DYC1116070139**

Product Name	L(+)-Cysteine
CAS Number	52-90-4;4371-52-2
Molecule Structure	
Molecule Formula	C3H7N02S
Batch Number	20160319
Mfg. &Exp Date	2016-03-19, 2017-03-18
Test Date	2016-03-19

Items	Standard	Result
Appearance	White crystals or crystalline powder	Complies
Identification	Meets the requirements	Complies
Specific Rotation[α] <sub>D20</sub>	+8.3° ~+9.5°	+8.9°
State Of Solution	≥95.0%	98.6%
Chloride(Cl)	≤0.04%	<0.04%
Ammonium(NH <sub>4</sub> )	≤0.02%	<0.02%
Sulfate(SO <sub>4</sub> )	≤0.030%	<0.030%
Iron(Fe)	≤10ppm	<10ppm
Heavy Metals(Pb)	≤10ppm	<10ppm
Arsenic(As <sub>203</sub> )	≤1ppm	<1ppm
Other Amino Acids	≤1.0%	Complies
Loss On Drying	≤0.5%	0.28%
Residue On Ignition	≤0.1%	0.07%
Assay	98.0~101.0%	99.5%
PH	4.5~5.5	5
Conclusion	This Batch Is Conforming With The Standard Of AJI92.	

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QUALITY CONTROL:  
Quality Control ..... *Melinda*  
Signature(s)

CHECK:姚仙娟

INSPECTOR: 刘清风

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