



HANGZHOU DINGYAN CHEM CO.,LTD

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CERTIFICATE OF ANALYSIS

NO:DYC191910213

Product name	DL-Serine
CAS Number	302-84-1
Molecule Formula	C3H7NO3
Batch number	20190120
Manuf. Date	2019.01.20
Testing date	2019.01.21

Items	Standard	Result
Appearance	White crystals or crystalline powder	Complies
Identification	Meet the requiriements	Complies
State of solution	≥98.0%	99.1%
Chloride(Cl)	≤0.020%	<0.020%
Ammonium (NH4)	≤0.02%	≤0.02%
Sulfate(SO4)	≤0.030%	≤0.030%
Irom(Fe)	≤30ppm	<30ppm
Heavy metals(Pb)	≤10ppm	<10ppm
Arsenic(As2O3)	≤1ppm	<1ppm
Other amino acids	Not detectable	Complies
Loss on drying	≤0.20%	0.14%
Residue on ignition	≤0.10%	0.05%
Assay	98.5~101.0%	99.4%
Conclusion	This Batch Is Conforming With The Standard Of AJI90.	

QUALITY CONTROL:
 Hangzhou Dingyan Chem Co.,Ltd.
 Nicole
 Quality Control
 Signature(s)

CHECK:姚仙娟

INSPECTOR: 刘清风