



Specialized in chemicals

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Certificate of Analysis

Product	D-Serine	Batch Number	TNJ2015090212
CAS No.	312-84-5	Packing	25.00kg/drum
M.F.	C3H7NO3	MFG Date	Feb.10, 2015
M.W.	105.09	Analysis Date	Feb.11, 2015
N.W.	3,000.00kg	Retest Date	Feb.09, 2017
G.W.	3,280.00kg		

<u>Sr. No.</u>	<u>Items</u>	<u>Specification</u>	<u>Results</u>
01	Description	White powder	White powder
02	Transmittance	≥95 %	98.5 %
03	Assay	99%-101%	99.8%
04	Specific optical rotation [α]	-14.50 ~ -15.50	-15.4 o
05	Loss on drying	≤0.20%	0.10%
06	Residue on ignition	≤0.1%	0.09%
07	Arsenic(AS2O3)	≤1 ppm	<1 ppm
08	Heavy metals (as Pb)	≤10ppm	<10ppm
09	PH	5.2-6.2	5.82
10	Chloride (as Cl)	≤0.02%	<0.02%
11	(as SO4)	≤0.02%	<0.02%
	Iron(as Fe)	≤10PPm	<10ppm
	Ammonium(NH4)	≤0.02%	<0.02%
	Isomer purity	≤0.1%	<0.1%

Prepared by Dong Mei

Checked by Wang Tianyi

Approved by Liu Wu

Conclusion The Quality of the above said is in conformity with **Standard**

Storage Stored in dry and ventilation place, far from heat and water.

COA Issuer Quality Control Team-Technology Department



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