Certificate of Analysis

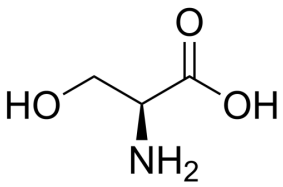
L-Serine

Cat. No.:	HY-N0650
CAS No.:	56-45-1
Batch No.:	422699
Chemical Name:	L-Serine

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:	$C_3H_7NO_3$		
Molecular Weight:	**105.09**		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month

Chemical Structure:



ANALYTICAL DATA

Appearance:	White to off-white (Solid)
^{1}H NMR Spectrum:	Consistent with structure
Purity (NMR):	**≥98.0%**
Optical Rotation:	14.6°(C=1.00g/100mL 1N HCL)
Water(KF):	0.08%
Residue on Ignition:	0.08%
Conclusion:	The product has been tested and complies with the given specifications.

Caution: Product has not been fully validated for medical applications. For research use only.

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