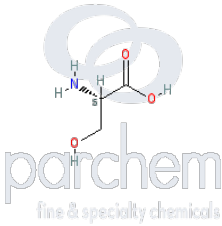


Typical Product Specifications & Properties

L-Serine

CAS Number: 56-45-1

Specifications	Limits
Chemical Structure	 <p>The image shows the chemical structure of L-Serine, which is a three-carbon amino acid. The structure is drawn with a central chiral carbon atom bonded to a hydrogen atom (H), an amino group (NH₂), a hydroxyl group (OH), and a carboxyl group (COOH). The amino group is shown with a wedge bond, indicating its stereochemistry. Below the structure is the Parchem logo, which consists of the word "parchem" in a stylized font with a circular graphic element above it, and the tagline "fine & specialty chemicals" underneath.</p>
Identification	Passes IR Test
Specific Rotation	+14.0 ° and +15.6°
Loss on Drying	NMT 0.2%
Residue on ignition; USP <281>	NMT 0.1%
Chloride; USP <221>	NMT 0.05 %
Sulfate; USP <221>	NMT 0.03%
Iron	NMT 0.003%
Heavy Metals; USP <231>	NMT 0.0015%
Organic Volatiles	Meets the requirements
Individual Impurities	NMT 0.5%