

SPECIFICATION

Serine

Parameters	Specification
CAS Number	56-45-1
Appearance	White crystalline solid
Molecular Formula	C ₃ H ₇ NO ₃
Molecular Weight	105.09 g/mol
Boiling Point	230 °C
Melting Point	270 °C
Flash Point	210 °C
Purity	98–99%
Refractive Index	1.461
Solubility	Soluble in water; soluble in ethanol
Uses	Proteinogenic amino acid used in biosynthesis and as a dietary supplement; used in pharmaceuticals and cosmetics; standard buffer component