

SPECIFICATION

L-Cysteine

Parameters	Specification
CAS Number	52-90-4
Appearance	White to off-white crystalline powder
Molecular Formula	C ₃ H ₇ NO ₂ S
Molecular Weight	121.16 g/mol
Boiling Point	246 °C
Melting Point	247 °C
Flash Point	210 °C
Purity	98–99%
Refractive Index	1.53
Solubility	Soluble in water; soluble in dilute acids; insoluble in most organic solvents
Uses	Building block for peptide synthesis; precursor to glutathione; antioxidant; used as a flavor enhancer and in cosmetics and pharmaceuticals



☎ +91-9227788155 | +91-9227788115 | +91-9227070667 | +91-260-6618618

✉ info@triveniinterchem.com | info@trivenichemical.com

🌐 www.triveniinterchem.com | www.trivenichemical.com

📍 135, Pancharatna, Char Rasta, G.I.D.C., Vapi-396195, Gujarat, India



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