

Chem-Impex International, Inc.

Tel: (630) 766-2112

E-mail: sales@chemimpex.com

Shipping and Correspondence:

935 Dillon Drive

Wood Dale, IL 60191

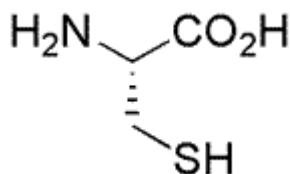
Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191



Product Specifications

Catalogue Number	00437
Product	L-Cysteine L-Cys-OH (R)-2-Amino-3-mercaptopropionic acid
CAS Number	52-90-4
Molecular Formula	C ₃ H ₇ NO ₂ S
Molecular Weight	121.16

Appearance	White crystalline powder
Heavy Metals	≤ 10 ppm
Anion	Chloride (Cl ⁻) : ≤ 0.040% Sulfate (SO ₄ ²⁻) : ≤ 0.030%
Cation	Ammonium (NH ₄) : ≤ 0.02% Iron (Fe) : ≤ 10 ppm
pH	4.5 - 5.5
Optical Rotation	[α] _D ²⁰ = 8.3 - 9.5 °
Transmission	≥ 95%
Loss on Drying	≤ 0.5%
Other Amino Acids	Chromatographically Not detectable
Residue On Ignition	≤ 0.1%
Assay	≥ 99%
Storage	Store at RT

For Laboratory Use Only