



## Specification

### L-Cysteine

**CAS Number:** 52-90-4  
**Molecular Formula:** C<sub>3</sub>H<sub>7</sub>NO<sub>2</sub>S  
**Molecular Weight:** 121.16  
**Storage:** 15°C - 30°C

Test	Specification
Appearance: White crystalline powder	White crystalline powder
Arsenic:	≤ 0.0002 %
Assay:	98.0 - 102.0 %
Chloride (Cl):	≤ 0.05 %
Heavy Metals:	≤ 0.001 %
Iron (Fe):	≤ 0.003 %
Loss on Drying:	≤ 0.5 %
Residue on Ignition:	≤ 0.2 %
Solubility:	Slightly soluble in water
Specific Rotation:	+7 - +9 °
Sulfate:	≤ 0.03 %

Approved:

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