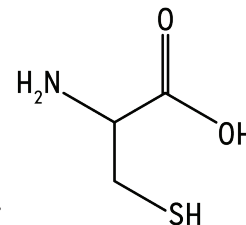


# Product Specification

<b>Product Name</b>	L-Cysteine
<b>Compendia</b>	DAB
<b>CAS #</b>	52-90-4
<b>Formula</b>	C <sub>3</sub> H <sub>7</sub> NO <sub>2</sub> S
<b>Molecular Weight</b>	121.16
<b>Description</b>	White crystals or crystalline powder; characteristic taste.
<b>Solubility</b>	Freely soluble in water, practically insoluble in ethanol (95). Dissolves in dilute hydrochloric acid. Solubility (H <sub>2</sub> O, g/100g): about 16 (20°C).
<b>Identification</b>	Compare the infrared absorption spectrum of the sample with that of the standard by potassium bromide disc method.



Test	Specification
<b>Specific Rotation @ 20°C</b>	+8.3 to +9.5°
<b>State of Solution</b>	Clear and colorless; Not less than 98.0%
<b>Chloride (Cl)</b>	Not more than 0.040%
<b>Ammonium (NH<sub>4</sub>)</b>	Not more than 0.02%
<b>Sulfate (SO<sub>4</sub>)</b>	Not more than 0.028%
<b>Iron (Fe)</b>	Not more than 10ppm
<b>Heavy Metals (Pb)</b>	Not more than 10ppm
<b>Arsenic (As<sub>2</sub>O<sub>3</sub>)</b>	Not more than 1ppm
<b>Related Substances</b>	Conforms
<b>Loss on Drying</b>	Not more than 0.50%
<b>Residue on Ignition (Sulfated)</b>	Not more than 0.05%
<b>Assay</b>	98.0 to 101.0%
<b>pH</b>	4.5 to 5.5
<b>Endotoxin</b>	Less than 24.0 EU/g