

Specification

Technical Data Sheet

Product Name	L-Cysteine
Product No	15386031
CAS Number	52-90-4
Storage Temperature	2 to 8 °C
Molecular Weight	121.16
	Specification
Appearance	White crystalline powder
Loss on Drying	≤ 0.5%
pH	4.5 - 5.5
Specific rotation	+8.3° to +9.5°
Assay	98.0 - 101.0%
Chloride (Cl)	≤0.2%
Identification (RAMAN)	Conforms to Reference

Specification

Iron (Fe)	$\leq 10\text{ppm}$
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Residue on Ignition	$\leq 0.1\%$
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State of Solution	$\geq 95.0\%$
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Sulfate (SO₄)	$\leq 0.03\%$
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Ammonium (NH₄)	$\leq 0.02\%$
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Arsenic (As₂O₃)	$\leq 1\text{ppm}$
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Heavy metals (as Pb)	$\leq 10\text{ppm}$
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