

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaaldrich.comEmail USA: techserv@sial.comOutside USA: eurtechserv@sial.com

Product Specification

Product Name:

L-Cysteine – from non-animal source, BioReagent, suitable for cell culture, ≥98%

Product Number:

C7352

CAS Number:

52-90-4

MDL:

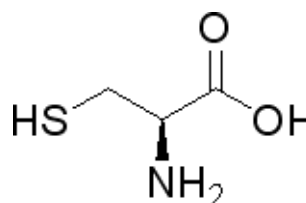
MFCD00064306

Formula:

C₃H₇NO₂S

Formula Weight:

121.16 g/mol



TEST

Specification

Appearance (Color)	White
Appearance (Form)	Crystalline Powder
Solubility (Color)	Colorless
Solubility (Turbidity)	Clear
0.5 g to 20 ml in water	
Identification by IR	Conforms to Structure
Endotoxin Level	≤ 1 EU/mg
Cell Culture Test	Pass
Cell Line	Attached Cell Line
Cell Line	Attached Cell Line
Cell Line	Attached Cell Line
Specific Rotation	8.3 - 9.5 °
(20 deg C)	
C = 8 in 1 M HCl	
Chloride Content	Pass
(< or = 0.040%)	
Ammonium	Pass
(< or = 0.02%)	
Sulfate	Pass
(< or = 0.028%)	
Iron (Fe)	Pass
(< or = 10 ppm)	
Heavy Metals	Pass
(< or = 10 ppm as lead)	

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

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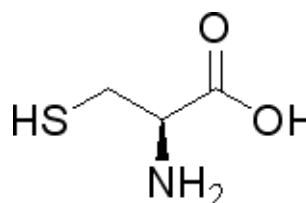
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Specification

Arsenic (As) ($\leq$ or = 1 ppm)	Pass
Loss on Drying	$\leq$ 0.50 %
Residue on ignition (Ash)	$\leq$ 0.05 %
Ninhydrin-Positive Substances (other amino acids)	Conforms
pH (2.5% in H ₂ O)	4.5 - 5.5
Assay (Dry basis)	98.0 - 101.0 %
Origin Must be non-animal source	Conforms
Recommended Retest Period 2 years	-----

Specification: PRD.0.ZQ5.10000031976

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