

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaaldrich.com
Email USA: techserv@sial.com
Outside USA: eurtechserv@sial.com

Certificate of Analysis

Product Name: L-Cysteine - 97%

 Product Number:
 168149

 Batch Number:
 BCCG5264

 Brand:
 ALDRICH

 CAS Number:
 52-90-4

 Formula:
 C3H7NO2S

 Formula Weight:
 121,16 g/mol

 Quality Release Date:
 21 SEP 2021

	0
HS'	Y JOH
	$ m NH_2$

Test	Specification	Result
Appearance (Color)	Colorless or White	White
Appearance (Form)	Powder or Crystals	Crystals
Redox Titration With KIO3	96.5 - 103.5 %	100.4 %
Enantiomeric Excess 95.5 % (Minimum)		100.0 % EE
Specific Rotation (20/D) c= 2 in 5n Hydrochloric Acid	5.0 - 8.0 deg	7.7 deg
Solubility (Color)	Colorless	Colorless
Solubility (Turbidity)	Clear	Clear
5% in 1n Hydrochloric Acid		
Infrared Spectrum	Conforms to Structure	Conforms

Dr. R. Shir

Dr.Reinhold Schwenninger Quality Assurance Buchs,Switzerland CH

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.

Version Number: 1 Page 1 of 1