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Product Specification

Product Name:

L-Cysteine hydrochloride - anhydrous, from non-animal source, BioReagent, suitable for cell culture, ≥98.0%

Product Number:

C7477

CAS Number:

52-89-1

MDL:

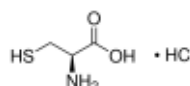
MFCD00064553

Formula:

C₃H₇NO₂S · HCl

Formula Weight:

157.62 g/mol



TEST

Specification

Appearance (Color)	White to Off White
Appearance (Form)	Powder or Crystals
Solubility (Color)	Colorless
Solubility (Turbidity)	Clear
50 mg/ml, H ₂ O	
Identity by IR	Conforms to Structure
Origin	Non-Animal Source
Specific Rotation	5.6 - 8.9 °
(c = 8 in 1 M HCl at 20 deg C)	
Heavy Metals	< = 10 ppm
Arsenic (As)	< or = 1 ppm
Loss on Drying	≤ 1.00 %
Residue on ignition (Ash)	≤ 0.10 %
Ninhydrin-Positive Substances	Conforms
pH	1.5 - 2.0
1%, H ₂ O	
Assay	98.0 - 102.0 %
Dry basis	
Endotoxin Level	≤ 1 EU/mg
Cell Culture Test	Pass
Recommended Retest Period	-----
2 years	

Specification: PRD.1.ZQ5.10000034028

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.