

Shanghai yuanye Bio-Technology Co., Ltd

465 Changta Road, SongJiang District, Shanghai 201604, China

Certificate of Analysis

Date of Testing: 2026-03-21 10:22:07

Date of Next Testing: 2030-03-20 10:22:07

Product Name: **L-Cystine**

CAS Number: 56-89-3

Specifications & Purity: Animal Free, Ph.Eur., for cell culture

Lot #: C2616023

SKU #: **V33845**

Version: **0**

Analysis #: **680582**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Endotoxin Assay	0-50 (EU/g)	23.23 EU/g
Chloride	0-0.02 (%)	0.00 %
Iron(Fe)	0-10 (ppm)	5.20 ppm
Heavy metal (as Pb)	0-10 (ppm)	3.60 ppm
Specific Rotation [α] _{20/D} (c=2 in 1N HCl in dried basis)	-224--218 (°)	-219.63 °
Sulfate Ash	0-0.1 (%)	0.06 %
Purity(HPLC)	98.5-100 (%)	100.00000 %
Sulfate(SO ₄ ²⁻)	0-0.03 (%)	0.00 %
Ammonia (NH ₄)	0-200 (ppm)	10.52 ppm
Loss on drying	0-0.5 (%)	0.20 %
Cytotoxicity	Pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure
Ninhydrin-Positive Substances	Conforms	Conforms
Origin	non-animal source	non-animal source
Residual solvents	complies	complies
Appearance(V33845)	White Powder or Crystals	White Powder or Crystals

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Quality Control : Yunfei Zou

