



EAST CHEMSOURCES LIMITED

No.666 Haibin 12th Road, Huangdao, Qingdao City,China

CERTIFICATE OF ANALYSIS

Product Name: L-Cysteine	Quantity:100g	Batch No: 211102
Producing date: 2021.11.02	Date of Analysis: 2021.11.02	Expiry date: 2023.11.01
Reference standard: AJI92	Package: 25kg Paper Drum	CAS No.: 52-90-4
Item	Specifications	Results
Specific rotation $[\alpha]_D^{20}$	+ 8.3° ~ +9.5°	+8.72°
Identification	Infrared Absorption	Qualified
State of solution (Transmittance)	≥95.0%	98.9%
Loss on drying	≤0.50%	0.15%
Residue on ignition	≤0.10%	0.09%
Heavy metals(Pb)	≤10ppm	<10ppm
Chloride (Cl)	≤0.06%	<0.06%
Arsenic (As ₂ O ₃)	≤1PPM	conforms
Iron (Fe)	≤10 ppm	<10 ppm
Ammonium (NH ₄)	≤0.02%	<0.02%
Sulfate (SO ₄)	≤0.030%	<0.030%
Other amino acids	Chromatographically	Qualified
pH value	4.5 ~ 5.5	4.9
Assay	98.0%~101	99.6%
Conclusion: This product complies with AJI92 standard.		

EAST CHEMSOURCES LIMITED
伊特实业有限公司

Authorized Signature

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