

WINTERSUN CHEMICAL
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Website: www.wintersunchem.com

CERTIFICATE OF ANALYSIS

Product Name: L-Cystine (Food Grade)
CAS No: 56-89-3
WC Code: 12-008
Molecular Formula: C₆H₁₂N₂O₄S₂
Batch No: 2507573
COA Date: August 23 2025
Expiration Date: August 23 2028
Packing: 25 KG Drum

This is to certify that we the undersigned have inspected the quality of the above mentioned goods and found the result of the inspection as follows.

<u>INDEX</u>	<u>SPECIFICATIONS</u>	<u>RESULTS</u>
Appearance	White crystalline powder	Conforms
Specific Rotation	215° ~ -225°	-220.1°
Chloride	≤0.10%	<0.10%
Sulfate (SO ₄)	≤0.04%	<0.04%
Iron (Fe)	≤0.003%	<0.003%
Heavy Metals (Pb)	≤0.0015%	<0.0015%
Arsenic (As ₂ O ₃)	≤1.5 PPM	<1.5 PPM
Loss on Drying	≤0.20%	0.12%
Residue on Ignition	≤0.10%	0.05%
Organic volatile impurities	Conforms	Conforms
Assay	98.5 ~ 101.0%	99.5%

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