

## CERTIFICATE OF ANALYSIS

PRODUCT NAME: L-Cysteine  
GRADE: USP30  
CAS NO. 52-90-4  
BATCH NO. 25/MFM/3216  
MOLECULAR WEIGHT: 121.16  
EXPIRY DATE: 16<sup>th</sup> September 2027  
STORAGE TEMPERATURE: +20 °C

TESTS	SPECS	RESULTS
Physical Description	White to almost white powder or crystals	Complies
Specific optical rotation	+8.0° - +9.5° (c=8, 1M HCl)	+8.84°
Solubility (2.5% in H <sub>2</sub> O)	Clear, colourless solution	Complies
Loss on drying	≤ 1.0% (80°C, vac.,1h)	0.08%
pH (2.5% in water)	4.0 – 6.0	5.35
Assay (Titration)	≥ 98.0%	99.9%

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30<sup>th</sup> October 2025