



# NEWAY SINOPHC TECH. LIMITED

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## Certificate of Analysis (COA)

### - DL-Methionine

**Product Name:** DL-Methionine

#### Product Information

Product Number DLM-20260224  
Batch Number DLM-SH2026022401  
Brand SIGALD  
CAS Number 59-51-8  
EINECS Number 200-432-1  
Formula  $C_5H_{11}NO_2S$   
Formula Weight 149.21 g/mol  
Quality Release Date 24 FEB 2026

#### Test Results

Test	Specification (Feed/Food Grade)	Result	Unit	Test Method
Appearance (Color)	White to off-white	White	-	Visual Inspection
Appearance (Form)	Crystalline powder, free-flowing	Crystalline powder	-	Visual Inspection
Odor	Characteristic sulfurous odor	Characteristic odor	-	Sensory Evaluation
Assay (DL-Methionine)	≥ 99.0%	99.6%	%	HPLC
Specific Rotation (20°C, 5% in H <sub>2</sub> O)	-0.1° to +0.1°	0.0°	°	Polarimeter
pH Value (25°C, 5% Solution)	5.6 - 6.1	5.8	-	Digital pH Meter
Loss on Drying (105°C, 3h)	≤ 0.5%	0.12%	%	Gravimetric Method
Residue on Ignition (Ash)	≤ 0.1%	0.03%	%	Gravimetric Method (550°C)
Heavy Metals (Pb)	≤ 0.5 ppm	0.08 ppm	ppm	ICP-MS
Heavy Metals (As)	≤ 0.2 ppm	0.02 ppm	ppm	ICP-MS
Chloride (Cl <sup>-</sup> )	≤ 0.02%	0.005%	%	Titrimetric Method
Sulfate (SO <sub>4</sub> <sup>2-</sup> )	≤ 0.02%	0.004%	%	Turbidimetric Method
Iron (Fe)	≤ 10 ppm	2 ppm	ppm	Colorimetric Method
Total Plate Count	≤ 100 CFU/g	< 10 CFU/g	CFU/g	GB 4789.2
E. coli	Negative in 25g	Negative	-	GB 4789.3

**Certification** This batch of product has been tested in accordance with the standards for DL-Methionine and meets all specified requirements. It is qualified for use as a nutritional supplement in food, feed, and pharmaceutical applications.

**Issue Date:** 24 FEB 2026