



NEWAY SINOPHC TECH. LIMITED

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Certificate of Analysis

(Elasto Lysine 弹性赖氨酸)

Issue Date: 28 FEB 2026 Quality Release Date: 28 FEB 2026

Product Name

Elasto Lysine (弹性赖氨酸) L-Lysine Based Bioactive Amino Acid Complex

Product Information

Product Number EL-20260228

Batch Number EL-SH2026022801

Brand SIGALD

CAS Number 56-87-1 (L-Lysine, main component)

MDL Number MFCD00002634 (L-Lysine)

Formula $C_6H_{14}N_2O_2$ (L-Lysine); Complex amino acid blend

Formula Weight 146.19 g/mol (L-Lysine); Variable (complex)

Form White free-flowing crystalline powder, odorless

Test Results

Test	Specification (Industry Standard)	Result	Unit	Test Method
Appearance (Color/Form)	White crystalline powder, no caking	Conforms	-	Visual Inspection (25°C)
Assay (Total Elasto Lysine)	≥ 98.0%	98.9%	%	High Performance Liquid Chromatography (HPLC)
L-Lysine Purity	≥ 95.0%	96.2%	%	HPLC
pH Value (5% aqueous solution, 25°C)	5.0 ~ 7.0	6.1	-	Digital pH Meter
Specific Rotation $[\alpha]_{20}^D$	+20.0 ~ +22.0°	+21.3°	°	Polarimeter Method
Loss on Drying (105°C, 2h)	≤ 0.5%	0.2%	%	Gravimetric Method
Residue on Ignition	≤ 0.1%	0.04%	%	550°C Ignition Method
Heavy Metals (Pb)	≤ 5 ppm	0.5 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Heavy Metals (As)	≤ 1 ppm	0.1 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
Total Bacterial Count	≤ 100 CFU/g	18 CFU/g	CFU/g	Plate Count Method
E. coli	Negative	Negative	-	Microbiological Detection
Staphylococcus aureus	Negative	Negative	-	Microbiological Detection
Water Solubility (25°C)	Fully soluble in water	Conforms	-	Solubility Test

Certification

This batch of product has been tested in accordance with industrial standards for Elasto Lysine (elastic lysine) and meets all specified requirements. It is qualified for use in cosmetics, health care products, food additives and biological raw material fields.