



# NEWAY SINOPHC TECH. LIMITED

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## Certificate of Analysis (COA)

**Product Name: Allicin (Feed Grade)**

### Product Information

Item	Details
Product Number	ALL-FEED-20260220
Batch Number	ALL-F2026022001
Brand	SIGALD
CAS Number	539-86-6
MDL Number	MFCD00008924
Formula	C <sub>6</sub> H <sub>10</sub> OS <sub>2</sub>
Formula Weight	162.27 g/mol
Quality Release Date	20 FEB 2026

### Test Results (Compliant with Feed Additive Standards)

Test	Specification (Feed Grade)	Result	Unit	Test Method
Appearance	Pale yellow to yellow oily liquid; pungent garlic odor	Pale yellow oily liquid	-	Visual & Olfactory Inspection
Assay (Allicin)	≥25.0% (Feed Grade Standard)	26.3%	%	HPLC (External Standard Method)
Density (25°C)	1.110-1.140 g/cm <sup>3</sup>	1.125	g/cm <sup>3</sup>	Digital Densimeter
Refractive Index (n <sub>D</sub> <sup>25</sup> )	1.550-1.570	1.561	-	Abbe Refractometer
pH Value (1% Emulsion, 25°C)	5.0-7.0	6.2	-	Digital pH Meter
Water Content	≤0.5%	0.18%	%	Karl Fischer Titration
Residue on Ignition	≤0.1%	0.04%	%	600±50°C
Heavy Metals (as Pb)	≤1 ppm	0.3 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Arsenic (As)	≤0.5 ppm	0.05 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
Total Bacterial Count	≤100 CFU/g	28 CFU/g	CFU/g	Plate Count Method
E. coli	Negative	Negative	-	Microbiological Detection
Salmonella	Negative in 25g	Negative	-	GB 13078.1

### Certification

This batch of **Feed Grade Allicin** has been tested in accordance with **GB 13078.1-2017 (Feed Hygiene Standard)** and relevant national specifications for feed additives (flavoring agents & growth promoters). It meets all specified requirements for feed additive use and is qualified for release.

**Date:** 20 FEB 2026