



# NEWAY SINOPHC TECH. LIMITED

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## Certificate of Analysis

**Product Name:** Activated Carbon (Powdered/Granular)

### Product Information

- Product Number: AC-CAS7440440-202705
- Batch Number: AC-2026012001
- Brand: SIGALD
- CAS Number: 7440-44-0
- MDL Number: MFCD00133992
- Formula: C (Main Component) + Inorganic Ash (Minor)
- Formula Weight: Variable (Carbon matrix, approx. 12.01 g/mol for elemental C)
- Quality Release Date: 20 JAN 2026

Test Item	Specification (Industrial Standard)	Result	Unit	Test Method
Appearance	Black powder or granular solid	Black granular solid	-	Visual Inspection
Iodine Adsorption Value	≥ 800 mg/g	860 mg/g	mg/g	Iodine Adsorption Method (ASTM D4607)
Methylene Blue Adsorption Value	≥ 150 mg/g	165 mg/g	mg/g	Methylene Blue Adsorption Method (GB/T 7702.6-2014)
Moisture Content	≤ 10.0%	6.2%	%	Gravimetric Method (105°C, 2h)
Ash Content	≤ 8.0%	4.8%	%	Combustion Method (800°C, 3h)
pH Value (1% Aqueous Suspension, 25°C)	6.0-9.0	7.5	-	Digital pH Meter
Particle Size (20-100 Mesh)	≥ 95% Passing	97%	%	Sieve Analysis
Heavy Metals (Pb)	≤ 5 ppm	0.9 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Heavy Metals (As)	≤ 1 ppm	0.2 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
Mercury (Hg)	≤ 0.1 ppm	0.03 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
Cadmium (Cd)	≤ 0.5 ppm	0.08 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Total Bacterial Count	≤ 100 CFU/g	15 CFU/g	CFU/g	Plate Count Method
E. coli	Negative	Negative	-	Microbiological Detection
Supplier Information	Confirmed	Confirmed	-	-
Registered Trademark	Confirmed	Confirmed	-	-

This batch of product has been tested in accordance with industrial standards for activated carbon and meets all specified requirements. It is qualified for use.

Issue Date:20 JAN 2026