

Certificate of Analysis

Product Name: Composite Bioenzymes

Product Information

- Product Number: CBE-20260120-001
- Batch Number: CBE-2026012001
- Brand: SIGALD
- CAS Number: N/A (Biological composite mixture)
- MDL Number: N/A (No specific MDL for composite bioenzymes)
- Formula: Blend of Protease, Amylase, Lipase, Cellulase + Stabilizers + Deionized Water
- Formula Weight: Variable (Biological macromolecule, 10,000-100,000 Da)
- Quality Release Date: 20 JAN 2026

Test Item	Specification (Industrial Standard)	Result	Unit	Test Method
Appearance	Light yellow to brown transparent liquid	Light yellow transparent liquid	-	Visual Inspection
Total Enzyme Activity (Protease+Amylase+Lipase)	≥ 100,000 U/mL	125,000 U/mL	U/mL	Spectrophotometric Method (GB/T 23527-2009)
pH Value (25°C)	5.5-7.5	6.8	-	Digital pH Meter
Solid Content	20.0-30.0%	24.5%	%	Gravimetric Method (105°C, 3h)
Heavy Metals (Pb)	≤ 5 ppm	0.8 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Arsenic (As)	≤ 1 ppm	0.2 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
Mercury (Hg)	≤ 0.1 ppm	0.03 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
Total Bacterial Count	≤ 100 CFU/mL	22 CFU/mL	CFU/mL	Plate Count Method
E. coli	Negative	Negative	-	Microbiological Detection
Preservation Rate (6 months, 25°C)	≥ 85%	92%	%	Enzyme Activity Assay
Supplier Information	Confirmed	Confirmed	-	-
Registered Trademark	Confirmed	Confirmed	-	-

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

Issue Date: 20 JAN 2026