CERTIFICATE OF ANALYSIS

Sodium Copper Chlorophyllin

Product Name	Sodium Copper Chlorophyllin	**Batch No.**	SC-20260912
Manufacture Date	2026-09-12	**Expiry Date**	2028-09-11
Quantity	25 KG	**Standard**	Food Grade

Test Results

Test Item	Specification	Result	Conclusion
Appearance	Dark green to blue-black fine powder	Dark green powder	Complies
Identification	Complies	Complies	Complies
Assay (Total Copper Chlorophyllins, dried basis)	≥ 95.0%	97.2%	Complies
Absorptivity $E^{1}\%_{1}$cm @ 405 nm	≥ 568	575.4	Complies
Absorbance Ratio A_{405} / A_{630}	3.4 – 3.9	3.52	Complies
pH (1% solution)	9.5 – 10.7	10.21	Complies
Loss on Drying	≤ 5.0%	3.15%	Complies
Residue on Ignition	26.0 – 30.0%	27.4%	Complies
Total Copper	4.0 – 6.0%	4.86%	Complies
Free Copper	≤ 200 ppm	86 ppm	Complies
Lead (Pb)	≤ 10 ppm	1.2 ppm	Complies
Arsenic (As)	≤ 3 ppm	0.4 ppm	Complies
Mercury (Hg)	≤ 0.5 ppm	< 0.1 ppm	Complies
Cadmium (Cd)	≤ 1 ppm	< 0.1 ppm	Complies
Solvent Residues (Total)	≤ 50 ppm	< 10 ppm	Complies
Total Aerobic Count	≤ 1000 CFU/g	220 CFU/g	Complies
Yeast & Mold	≤ 100 CFU/g	35 CFU/g	Complies
E. coli	Negative	Negative	Complies
Salmonella	Negative	Negative	Complies

Conclusion: This batch complies with Food Grade specification (FCC / EU 231/2012).

Inspected by:	Guang Yang	**Date:**	2026-09-14
Approved by:	Shan Guo	**Date:**	2026-09-14