

CERTIFICATE OF ANALYSIS

Sodium Magnesium Chlorophyllin

Product Name	Sodium Magnesium Chlorophyllin	Batch No.	SM-20260915
Manufacture Date	2026-09-15	Expiry Date	2028-09-14
Quantity	1000 KG	Standard	Food Grade

Test Results

Test Item	Specification	Result	Conclusion
Appearance	Yellow-green to dark green fine powder	Dark green fine powder	Complies
Identification	Complies	Complies	Complies
Assay (Total Magnesium Chlorophyllins, dried basis)	≥ 95.0%	96.8%	Complies
Absorptivity $E^{1\%}_{1cm}$ @ 400 nm	≥ 565	572.1	Complies
Absorbance Ratio A_{400} / A_{630}	5.0 – 6.0	5.41	Complies
pH (1% aqueous solution)	9.0 – 10.7	9.85	Complies
Loss on Drying	≤ 4.0%	2.72%	Complies
Residue on Ignition	≤ 36.0%	32.10%	Complies
Total Magnesium	4.0 – 6.0%	4.73%	Complies
Free Magnesium	≤ 250 ppm	112 ppm	Complies
Lead (Pb)	≤ 10 ppm	1.0 ppm	Complies
Arsenic (As)	≤ 3 ppm	0.3 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	180 CFU/g	Complies
Yeast & Mold	≤ 100 CFU/g	28 CFU/g	Complies
E. coli	Negative	Negative	Complies
Salmonella	Negative	Negative	Complies

Conclusion: This batch complies with Food Grade specification.

Inspected by:	Guang Yang	Date:	2026-09-17
Approved by:	Shan Guo	Date:	2026-09-17