

CERTIFICATE OF ANALYSIS

Gamma-Aminobutyric Acid (GABA)

Product Name	Gamma-Aminobutyric Acid (GABA)	Batch No.	GABA-20261008
Manufacture Date	2026-09-12	Expiry Date	2028-09-11
Quantity	25 KG	Standard	Food Grade

Test Results

Test Item	Specification	Result	Conclusion
Appearance	White crystalline powder	White crystalline powder	Appearance
Identification	Complies (IR / HPLC)	Complies	Identification
Assay (on dried basis, HPLC)	99.0 ~ 101.0%	99.62%	Assay (on dried basis, HPLC)
pH (10% solution)	6.5 ~ 7.5	6.98	pH (10% solution)
Loss on Drying	≤0.50%	0.28%	Loss on Drying
Residue on Ignition	≤0.10%	0.04%	Residue on Ignition
Chloride (Cl)	≤40 ppm	16 ppm	Chloride (Cl)
Sulfate (SO ₄)	≤50 ppm	22 ppm	Sulfate (SO ₄)
Iron (Fe)	≤10 ppm	3.2 ppm	Iron (Fe)
Lead (Pb)	≤1.0 ppm	0.32 ppm	Lead (Pb)
Arsenic (As)	≤1.0 ppm	0.21 ppm	Arsenic (As)
Mercury (Hg)	≤0.1 ppm	<0.1 ppm	Mercury (Hg)
Cadmium (Cd)	≤1.0 ppm	<0.1 ppm	Cadmium (Cd)
Total Aerobic Count	≤1000 CFU/g	210 CFU/g	Total Aerobic Count
Yeast & Mold	≤100 CFU/g	25 CFU/g	Yeast & Mold
E. Coli	Negative	Negative	E. Coli
Salmonella	Negative	Negative	Salmonella
Staphylococcus aureus	Negative	Negative	Staphylococcus aureus

Conclusion: This batch complies with Food Grade specification.

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