



Certificate of Analysis

Product Name	Gamma Aminobutyric Acid		
CAS NO.	56-12-2		
Batch Number	2024032701GS	Manufacture Date	2024 March 27
Report Date	2024 March 29	Expire Date	2026 March 26
Item of Analysis	Specification		Results
Assay	≥99.0%		99.76%
Organoleptic			
Appearance	Powder		Conforms
Color	White crystals or crystalline powder		Conforms
Odor/Taste	Characteristic		Conforms
Physical Characteristics			
Identification	Chemical		Positive
Melting point	197°C~204°C		Conforms
Water content	≤0.50%		0.09%
Residue on Ignition	≤0.07%		0.04%
Loss on drying	≤0.5%		0.26%
Clarity of Solution	Clear		Conforms
Ash	≤0.1%		0.08%
Heavy metals			
Total Heavy Metals	≤10ppm		<10ppm
Lead (Pb)	3ppm NMT		Conform
Arsenic(As)	1ppm NMT		Conform
Cadmium (Cd)	1ppm NMT		Conform
Mercury(Hg)	0.1ppm NMT		Conform
Ca ²⁺	No opalescence		Conform
Chloride	≤40ppm		Conform
Sulfate	≤50ppm		Conform
Microbiological Tests			
Total Plate Count	10,000cfu/g Max		Conform
Coliforms	Negative		Negative
Yeast and mould	100cfu/g Max		Conform
Salmonella	Negative		Negative
Staphylococcus	Negative		Negative
Conclusion: Conform with specification.			
Storage: Store in tight, light-resistant containers, avoid expose of direct sunlight, moisture and excessive heat.			
Shelf Life: 24 months if store under the conditions above and stay in original packaging.			

Quality Assurance: Liang Yan

