



Certificate of Analysis

Product Name:	GABA (Gamma Aminobutyric Acid)	Batch Number:	Varies
CAS No.	56-12-2	Manufacture Date:	Varies
Molecular Formula:	C ₄ H ₉ NO ₂	Expiry Date:	Varies

IDENTIFICATION		SPECIFICATION	RESULT
Assay		≥ 99.0%	99.30 - 99.60%
Physical	Appearance	White crystals or crystalline powder	Complies
	Melting point	197.0 - 204.0°C	199.5 - 201.5°C
	Loss on drying	≤ 0.50%	0.28 - 0.30%
	Residue on ignition	≤ 0.07%	0.03 - 0.05%
	Identification	Chemical	Complies
	pH	6.5 - 7.5	7.04 - 7.48
	Clarity of Solution	Clear	Clear
Chemical	Heavy Metals	≤ 10 ppm	< 10 ppm
	Arsenic (As)	≤ 1 ppm	< 1 ppm
	Chloride	≤ 40 ppm	< 40 ppm
	Sulfate	≤ 50 ppm	< 50 ppm
	Calcium (Ca ²⁺)	No opalescence	No opalescence
	Mercury (Hg)	≤ 0.1 ppm	< 0.1 ppm
	Cadmium (Cd)	≤ 1 ppm	< 1 ppm
	Lead (Pb)	≤ 3 ppm	< 3 ppm
Microbial	Total Plate Count	≤ 1000 cfu/g	20 - 30 cfu/g
	Yeast & Mold	≤ 100 cfu/g	10 cfu/g
	E. Coli, Salmonella	Negative	Complies

Else	Storage condition	Sealed, kept in shady and dry place
	Shelf life	Three years

