



SUPERIOR QUALITY - ETHICALLY SOURCED

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CERTIFICATE OF ANALYSIS

Product Name	Gamma Aminobutyric Acid		
Batch Number	20230317	Manufacture Date	20230317
CAS NO.	58-85-5	MF	C10H16N2O3S
Report Date	20230317	Expiry Date	20250316

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

Storage: Store in tight, light-resistant containers, avoid exposure to direct sunlight, moisture and excessive heat. Shelf Life: 24 months if store under the conditions above and stay in original packaging.