

CERTIFICATE OF ANALYSIS

Product Name	Gamma Aminobutyric Acid	Batch No	PY-GA20210308
Quantity	1000KG	Analysis Date	Mar.10,2021
Mfg. Date	Mar.08,2021	Exp. Date	Mar.07,2023
Package	25kg/Drum	Standard	Enterprise Standard

No.	Item	Specification	Result
1.	Appearance	White crystals or crystalline powder	White crystalline powder
2.	Assay	≥99.0%	99.38%
3.	Identification	Positive	Positive
4.	Clarity of Solution	Clear	Clear
5.	Melting Point	196°C-203°C	199.5°C-201.0°C
6.	pH	6.5-7.5	7.46
7.	Loss on Drying	≤1.0%	0.29%
8.	Residue on Ignition	≤0.1%	0.04%
9.	Heavy Metals	≤10ppm	<10ppm
10.	Pb	≤3ppm	<3ppm
11.	As	≤1ppm	<1ppm
12.	Cd	≤1ppm	<1ppm
13.	Hg	≤0.1ppm	<0.1ppm
14.	Chloride	≤40ppm	<40ppm
15.	Sulfate	≤50ppm	<50ppm
16.	Total Plate Count	≤1,000cfu/g	30cfu/g
17.	Yeasts & Molds	≤100cfu/g	10cfu/g
18.	E.Coli	Negative	Negative
19.	Salmonella	Negative	Negative

Conclusion: Conform to the Enterprise Standard.

Storage: Store in a cool, dry place. Keep container closed when not in use.

Analyst: xuli

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