

Certificate of Analysis

Product Name	γ- Aminobutyric Acid	Manufacture Date	20210815
Batch Number	YG20210815	Analysis Date	20210818
Quantity	1000kg	Expiry Date	20230817

ITEMS	SPECIFICATION	RESULTS	TEST METHODS
Assay	99.0%~101.0%	99.6%	AJITEST14
Physical & Chemical			
Appearance	White crystals or crystalline	White crystalline	Organoleptic
Transmittance	≧ 98%	98.5%	AJITEST2
Chloride (Cl)	≤0.020%	<0.020%	AJITEST3
Ammonium(NH ₄)	≤0.020%	<0.020%	AJITEST4
Sulfate(SO ₄)	≤0.048%	<0.048%	AJITEST5
Iron(Fe)	≧ 30ppm	<30ppm	AJITEST6
Identification	AS per AJI92	Conforms	AJI92
Loss on Drying	≤0.50%	0.23%	AJITEST11
Residue on Ignition	≤0.10%	0.05%	AJITEST13
PH	7.0-8.0	7.06	AJITEST33
Other amino acid	Not detectable	Conforms	AJITEST9
Heavy metals			
Lead(Pb)	≧ 10ppm	<10ppm	AJITEST7
Arsenic (As)	≧ 2ppm	<2ppm	AJITEST8
Microbiological			
Total Plate Count	≤1,000cfu/g	<1,000cfu/g	GB4789.2-2016
Total Yeast & Mold	≤1,00cfu/g	<100cfu/g	GB4789.15-2016
Coliform	In 25g n.d	Conforms	GB4789.3-2016
Salmonella	In 25g n.d	Conforms	GB4789.4-2016
Staphylococcus	In 25g n.d	Conforms	GB4789.10-2016
Escherichia coli	Negative	Conforms	GB4789.38-2012
GMO Status	Non-GMO		
Allergen Status	Allergen Free		
Packaging&Storage	Packed in paper-drums and two plastic-bags inside,25kg/Drum. Keep in cool & dry place. Stay away from strong light and heat.		
Shelf Life	Two years if sealed and stored away from strong sun light and heat.		