

LIFTMODE

LIFTMODE
47 W. Polk St. STE 100-241
Chicago, IL 60605

liftmode@liftmode.com
www.liftmode.com

CERTIFICATE OF ANALYSIS

GABA

(γ -Aminobutyric acid)

Material Lot #: 20160106 Testing Date: 8/26/2016
Country of Origin: China Expiration Date: 8/25/2019

Analysis	Claim	Result
GABA	$\geq 99.0\%$	99.52%

Test	Specification	Result
Appearance	White Crystalline Powder	Complies
Chloride	≤ 40 ppm	Complies
pH Value	6.5-7.5	7.22
Melting Point	197-204°C	198.5-199.7°C
Residue on Ignition	$\leq 0.1\%$	0.05%
Loss on Drying	$\leq 0.3\%$	0.19%
Heavy Metals	≤ 10 ppm	≤ 10 ppm
Lead	≤ 0.5 ppm	Not Detected
Arsenic	≤ 1 ppm	≤ 1 ppm
Cadmium	≤ 1 ppm	≤ 1 ppm
Mercury	≤ 0.1 ppm	≤ 0.1 ppm
Residual Solvents	Negative (α -pyrrolidone)	Complies
Total Plate Count	≤ 1000 cfu/g	≤ 500 cfu/g
E.Coli	Negative	Complies
Salmonella	Negative	Complies
Staphylococcus aureus	Negative	Complies
Coliform	≤ 100 cfu/g	Complies
Yeast and mold	≤ 100 cfu/g	≤ 50 cfu/g
Assay	$\geq 99.5\%$	99.52%

GABA should be stored at or below room temperature in a tightly sealed durable container.
GABA should be protected from excess heat, direct sunlight, excess humidity and moisture.
GABA has a stable shelf life of 3 years from the date of manufacture when properly stored.

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Product Name	GABA	Product Lot Number	20160106
Report Date	08/25/16	Laboratory #	7560

Test	Method	Result
Identification	Proton NMR	Conforms
GABA	HPLC	100.1%
Lead	ICP-MS USP <730>	0.008 ppm
Arsenic	ICP-MS USP <730>	0.141 ppm
Cadmium	ICP-MS USP <730>	0.001 ppm
Mercury	ICP-MS USP <730>	0.002 ppm
Total Plate Count	AOAC 966.23	<10 CFU/g
Yeast and Mold	FDA BAM	<10/<10 CFU/g
Salmonella	AOAC 998.09	Negative
Coliform	AOAC 991.14	<10 CFU/g
E. coli	AOAC 991.14	<10 CFU/g

Joshua Gray
QA Auditor



08/25/2016
Date

08/25/16