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 #:	20171105	Manufacture Date:	11/03/2017
Country of Origin:	China	Expiration Date:	11/02/2020

Analysis	Claim	Result
GABA	≥98.0%	99.58%

Test	Specification	Result
Appearance	White Crystaline Powder	Complies
Chloride	≤14 ppm	Complies
pH Value	6.5-7.5	7.11
Melting Point	197-204°C	198.5-199.5°C
Residue on Ignition	≤0.1%	0.03%
Loss on Drying	≤0.3%	0.26%
Heavy Metals	≤10 ppm	≤10 ppm
Lead	≤0.5 ppm	Not Detected
Arsenic	≤1 ppm	≤1 ppm
Cadmium	≤0.1 ppm	≤0.1 ppm
Mercury	≤0.1 ppm	≤0.1 ppm
Assay	≥99.5%	99.58%

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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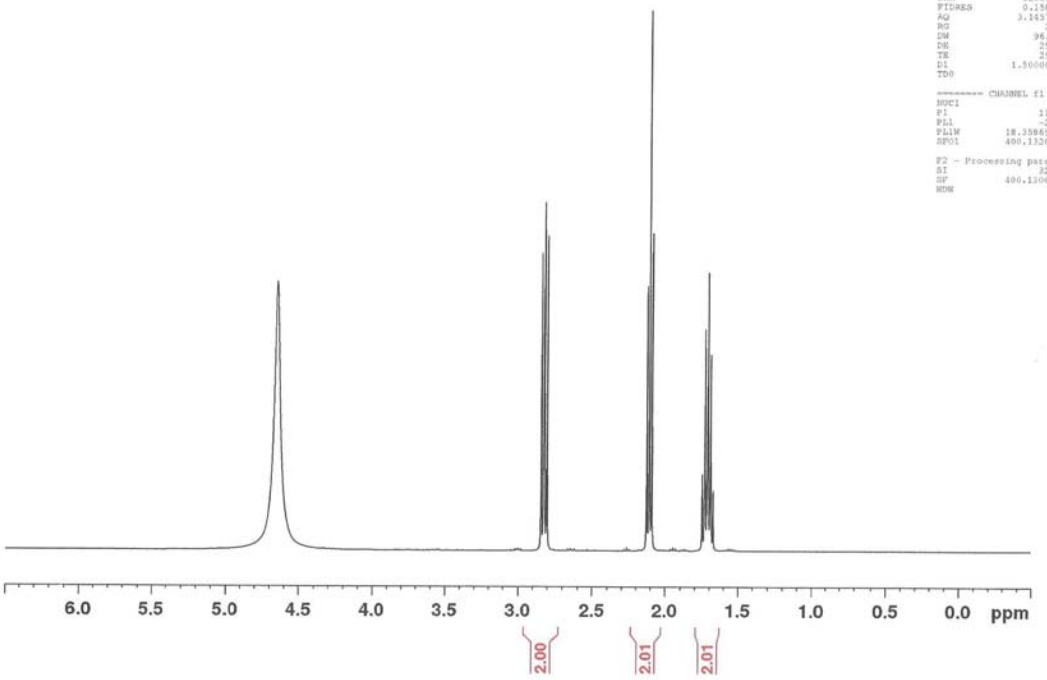
Product Name	GABA	Product Lot Number	20171105
Report Date	04/25/18	Laboratory Number	10129

Test	Method	Result
Identification	NMR	Conforms
Assay	HPLC	99.5%
Lead	ICP-MS USP <730>	0.001 ppm
Arsenic	ICP-MS USP <730>	<0.001 ppm
Cadmium	ICP-MS USP <730>	0.009 ppm
Mercury	ICP-MS USP <730>	0.042 ppm
Total Aerobic Count	BioLumix	<100 CFU/g
Yeast and Mold	BioLumix	<100 CFU/g
E. Coli	BioLumix	<10 CFU/g
Coliform	BioLumix	<10 CFU/g
Salmonella	BioLumix	Negative

Jennifer Smith
QA Auditor

04/25/2018
Date
4.25.18

1H NMR of gamma-aminobutyric acid
in D2O
Lot# - 10129
Colmaric Analytical
400 MHz
04-24-18

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Current Data Parameters
NAME      Apr24-2018-colmaric
EXPNO                       3
PROCNO                      1

F2 - Acquisition Parameters
Date_              20180424
Time                  14.43
INSTRUM                spect
PROBHD   5 mm PABBO BB-
PULPROG                zg30
TD                    32768
SOLVENT                 D2O
NS                       32
DS                        0
SWH               5208.333 Hz
FIDRES            0.158946 Hz
AQ                3.1457281 sec
RG                     28.5
DW                 96.000 usec
DE                 25.61 usec
TE                 298.0 K
D1              1.50000000 sec
TD0                       1

======== CHANNEL f1 ========
NUC1                    1H
P1                   11.38 usec
PL1                  -2.50 dB
PLW1            18.35869598 W
SFO1           400.1320007 MHz

F2 - Processing parameters
SI                    32768
SF             400.1300065 MHz
WDW                      EM
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