



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 #: 20191103      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 Crystalline 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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## CERTIFICATE OF ANALYSIS

### GABA

(γ-Aminobutyric acid)

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  
*Jennifer Smith*

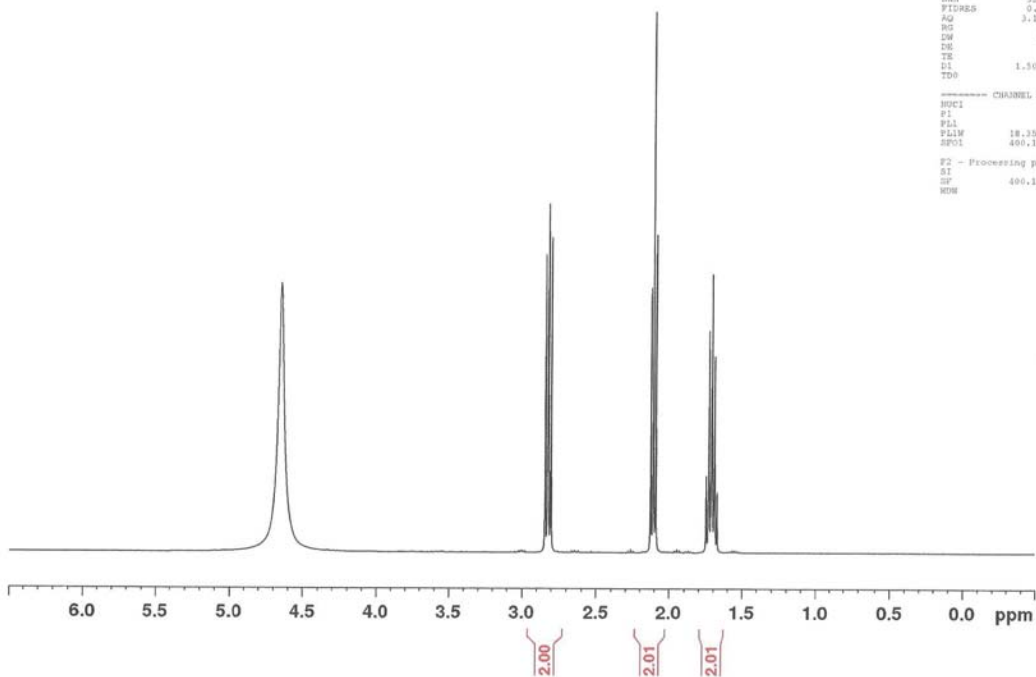
04/25/2018

Date

4.25.18

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



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

F2 - Acquisition Parameters  
Date\_ 20180421  
Time 14.43  
INSTRUM spect  
PROBHD 5 mm PABBO BB-  
PULPROG zgpg30  
TD 32768  
SOLVENT D2O  
NS 2  
DS 2  
SWH 5208.313 Hz  
FIDRES 0.138944 Hz  
AQ 2.1457291 sec  
RG 28.1  
DW 96.000 usec  
DE 25.61 usec  
TE 298.2 K  
EL 1.5000000 sec  
TD0

----- CHANNEL f1 -----  
NUC1 1H  
P1 11.28 usec  
PL1 -2.50 dB  
PLW 18.32889599 W  
SFO1 400.132607 MHz

F2 - Processing parameters  
SI 32768  
SF 400.1326063 MHz  
WDW EM