



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

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CERTIFICATE OF ANALYSIS

GABA (γ-Aminobutyric acid)

Material Lot #: 20160101 Manufacture Date: 04/16/2016
Country of Origin: China Expiration Date: 04/16/2019

Analysis	Claim	Result
GABA	≥99.0%	99.52%

Test	Specification	Result
Appearance	White Crystalline Powder	Complies
Chloride	≤40 ppm	Complies
pH Value	6.5-7.5	7.23
Melting Point	197-204°C	198.5-199.7°C
Residue on Ignition	≤0.1%	0.05%
Loss on Drying	≤0.3%	0.16%
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
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	≥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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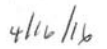
GABA (γ-Aminobutyric acid)

Laboratory Number: 6923

Product Name	Gamma Aminobutyric acid	Client Lot Number	20160101
Report Date	04/16/16	Order #	SNT_0139

Test	Method	Result
Identification	H-NMR	Conforms
Assay	HPLC	100.0%
Heavy Metals	ICP-MS	ppm
Arsenic	ICP-MS	<0.001
Cadmium	ICP-MS	<0.001
Lead	ICP-MS	0.001
Mercury	ICP-MS	<0.001

Collin Thomas 
Laboratory Manager

04/16/2016 
Date

¹H NMR of Gamma amino butyric acid
 In D2O
 Lot # 6923
 400 MHz
 Colmaric Analytical
 04-08-16

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Current Data Parameters
NAME      Ag49-235007-1-acid
EXPNO     1
PROCNO    1
F2 - Acquisition Parameters
Date_     20160419
Time      16:49
INSTRUM   spect
PROBHD    5 mm QNP5
PULPROG   zgpg30
AQ        2.820
RG         320
COLNAME   120
SI         32
SF         500.13125 MHz
F2FREQS   500.13125 MHz
NUC1       15N
NUC2       1H
AQ        40.130000 sec
RG         32.00
SI         32.00
SF         400.126060 MHz
F2FREQS   400.126060 MHz
TD         1
----- CHANNEL f1 -----
P1        11.180000
PL1       -2.10
PR1        18.210000
PC1        400.126067 MHz
SFO1       400.126067 MHz
F2 - Processing parameters
SI         32768
SF         400.126067 MHz
WDW        EM
  
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