



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

liftmode@liftmode.com
www.liftmode.com

CERTIFICATE OF ANALYSIS

Agmatine Sulfate (L-Amino-4-guanidinobutane sulfate salt)

Material Lot #: 631710004
Country of Origin: China

Manufacture Date: 07/10/2017
Retesting Date: 04/24/2021

Analysis	Claim	Result
Agmatine Sulfate	≥99.0%	99.1%

Test	Specification	Result
Appearance	White crystalline powder	Complies
Identification	Complies with standard retention time	Complies
Loss on Drying	≤0.5%	0.35%
Residue on Ignition	≤0.5%	0.27%
Heavy Metals	≤10 ppm	≤10 ppm
Lead	≤10 ppm	Not detected
Mercury	≤1.0 ppm	Not detected
Cadmium	≤1.0 ppm	Not detected
Arsenic	≤1.0 ppm	≤1 ppm
Individual Impurities	≤0.5%	0.16%
Total Impurities	≤1.0%	0.31%
Assay	≥98.0%	99.1%
Total Plate Count	≤1000 cfu/g	Complies
Yeast and mold	≤100 cfu/g	Complies
E.coli	Negative	Complies
Salmonella	Negative	Complies

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



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

liftmode@liftmode.com
www.liftmode.com

CERTIFICATE OF ANALYSIS

Product Name	Agmatine Sulfate	Product Lot Number	631710004
Report Date	04/25/18	Laboratory Number	10128

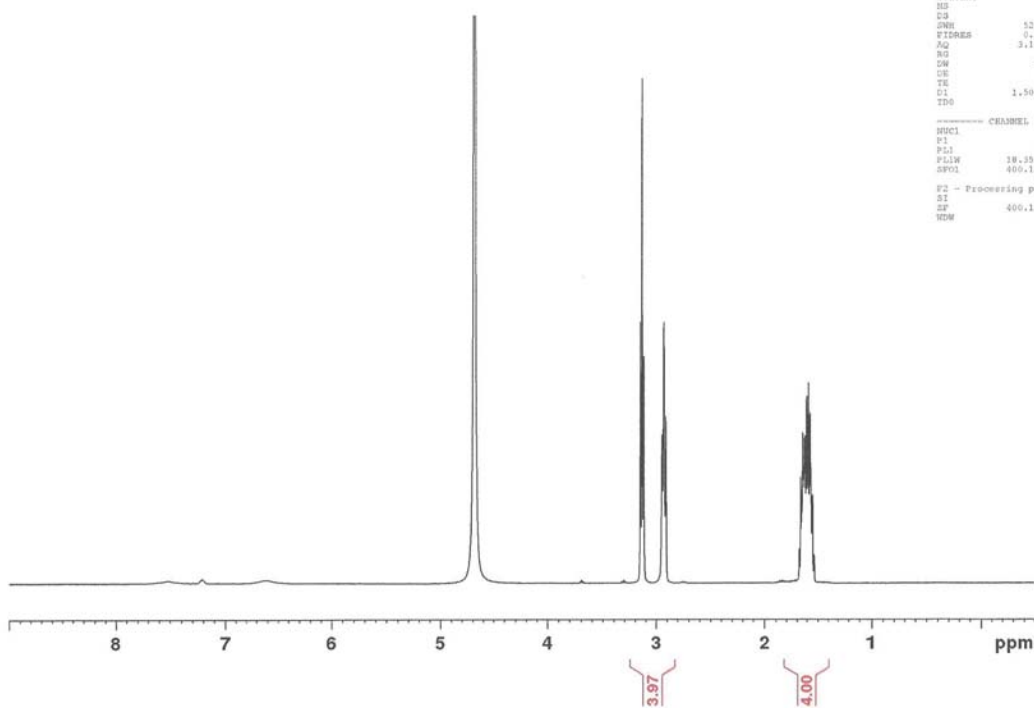
Test	Method	Result
Identification	NMR	Conforms
Assay	HPLC	99.5%
Lead	ICP-MS USP <730>	0.015 ppm
Arsenic	ICP-MS USP <730>	<0.001 ppm
Cadmium	ICP-MS USP <730>	0.013 ppm
Mercury	ICP-MS USP <730>	0.050 ppm
Total Aerobic Count	BioLumix	<100 CFU/g
Yeast and Mold	BioLumix	<100 CFU/g
E. Coli	BioLumix	<10 CFU/g
Coliform	BioLumix	<10 CFU/g
Salmonella	BioLumix	Negative

Jennifer Smith
QA Auditor
Jennifer Smith

04/25/2018
Date

4.25.18

**¹H NMR of agmatine sulfate
in D₂O
Lot# - 10128
Colmaric Analytical
400 MHz
04-24-18**



```
Current Data Parameters
NAME      Apr24-2018-colmaric
EXPRO     2
PROCNO    1

F2 - Acquisition Parameters
Date_     20180424
Time_     13.35
INSTRUM   spect
PROBHD    5 mm PABBO BB-
PULPROG   zg30
TD        32768
SOLVENT   D2O
NS        32
DS        6
SWH        5208.333 Hz
FIDRES    0.1188948 Hz
AQ        3.1457281 sec
RG        25.9
CW        24.000 usec
DE        25.61 usec
TE        298.0 K
D1        1.5000000 sec
TD0       1

----- CHANNEL f1 -----
NUC1      1H
P1        11.38 usec
PL1       -2.50 dB
PL1W      18.35840598 W
SFO1      400.1326097 MHz

F2 - Processing parameters
SI        32768
SF        400.1326097 MHz
WDW       EM
```