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

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## **CERTIFICATE OF ANALYSIS**

# Agmatine Sulfate (1-Amino-4-guanidinobutane sulfate salt)

Material Lot #:

Country of Origin: China

631710004

Testing Date:

Retesting Date:

04/09/2021 04/06/2024

**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	≤1.0 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.



### S & N LABS

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12 April 2021

Ŋ	Job Number:	24832a
ľ	PO Number:	verbal

Synaptent LLC 47 W. Polk Street #100-241 Chicago, Illinois 60605

### REPORT OF ANALYSIS

One jar labeled "Agmatine Sulfate #631710004" was received on 5 March 2021. The powder in the bag was analyzed for specific component using high pressure liquid chromatography (HPLC). The results are summarized in the table below.

Sample	Chromatographic Purity (% area)
Agmatine Sulfate #631710004	99.8

Neil E. Spingarn, Ph.D.

President



812 Meadowlark Lane, Goodlettsville, TN 37072 Telephone: 615-239-8064

Certificate of Analysis

Synaptent LLC 47 W Polk Street, 100-241 Chicago, IL 60654

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

04/25/2018 Date

4.25.18

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nt:Ultimate3000 Sequence:24790, 24832, 24884-ALCAR, Agmatine, UMDS Punties HILIC ELSD

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Chromeleon (c) Dionex Version 7.2.10.23925

Chromatogram and Results			
Injection Details			
Injection Name:	Agmatine Sulfate 63171004	Run Time (min):	20.00
Vial Number:	RE2	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	ELSDdetector
Calibration Level:		Wavelength:	210.0
Instrument Method:	CD HILIC 20min	Bandwidth:	4
Processing Method:	Processing Method	Dilution Factor:	1.0000
Injection Date/Time:	09/Apr/21 18:00	Sample Weight:	1.0000



