Title: **L-Methionine 500 Mg**	
Allergy Research Group® / NutriCology®	
Document No.: 70610CA	Revision: 008

Certificate of Analysis

Part Number	70610		
Lot Number	00101		
Product Count & Form	100 Vegetarian Capsules		
Packaging, Closure	225 cc bottle, desiccant, rayon/cotton		
Storage Condition	Room Temperature		
Shelf Life	36 months	Expiration Date	12/22
Label Number, Size	70610L, D		
Retain Sample	1 bottle per label (2 bottles total)		

ANALYSIS

Physical

Attribute	Method / SOP	Specification	Test Result
Product Color, Size	SOP 515	White, clear, size "00"	Complies
Product Weight	SOP 514	Meets USP <2091> 700 – 900 mg	Pass, 781 mg
Disintegration time	SOP 522	Meets USP <2040>	Pass, 15:55 min.

Purity/Strength per Capsule

Active Ingredients	Label Claim	Release Limits	Test Result
L-Methionine	500 mg	100-150% LC by HPLC	509 mg

*Production and Process control

Identification \ Chemical \ Heavy Metals

Attribute	Method / SOP	Specification	Test Result
Identity	Bulk Certificate of Analysis Review	Approved	Complies
Identity	Near Infrared Spectrometry	Matches Reference	Complies
Arsenic (inorganic)	ICP-MS per USP <2232>	≤ 15 mcg/day Ψ	BQL Ψ
Cadmium	ICP-MS per USP <2232>	≤ 5 mcg/day Ψ	BQL Ψ
Mercury (total)	ICP-MS per USP <2232>	≤ 15 mcg/day Ψ	BQL Ψ
Lead	ICP-MS per USP <2232>	≤ 10 mcg/day Ψ	BQL Ψ

BQL – Below Quantitation Level, Ψ – Permitted Daily Exposure, ϕ - Complies with California Proposition 65 Limits, *Production and Process control

Title: **L-Methionine 500 Mg**	
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Microbiology

Attribute	Method / SOP	Specification	Test Result
Total Aerobic Count	USP/ AOAC/ FDA BAM	$\leq 1 \times 10^4$ CFU/g	<10 CFU/g
Total Yeast & Mold	USP/ AOAC/ FDA BAM	$\leq 1 \times 10^3$ CFU/g	<10 CFU/g
Coliform	USP/ AOAC/ FDA BAM	$\leq 1 \times 10^2$ CFU/g	<10 CFU/g
Escherichia coli	USP/ AOAC/ FDA BAM	None Detected	None Detected
Staphylococcus aureus	USP/ AOAC/ FDA BAM	None Detected	None Detected
Salmonella	USP/ AOAC/ FDA BAM	None Detected	None Detected

*Production and Process control

Approval:	Date: 02\06\20

AEMTEK, INC.

466 Kato Terrace.
Fremont, CA 94539
Phone: 510-979-1979
Fax: 510-668-1980
E-mail: labdata@aemtek.com
Web: www.aemtek.com

Project Description: Product Testing (PO # LJ01172020)
Report Issued To: Allergy Research Group
2300 North Loop Rd.
Alameda, CA 94502
Contact: Janice Vu

Certificate of Analysis

AEMTEK #: 2001919

Sampling Date: 2020-01-17
Sample Received: 2020-01-20
Analysis Started: 2020-01-20
Analysis Performed By: EL, BH, FH
Report Issue Date: 2020-01-23

Analyte			Aerobic Plate Count	Total Coliforms	Yeast	Mold	Escherichia coli	Salmonella	Staphylococcus aureus
Method			AOAC OMA 990.12	AOAC OMA 991.14	AOAC OMA 2014.05	AOAC OMA 2014.05	USP 37 <62> (mod.)	USP 37 <62> (mod.)	USP 37 <62> (mod.)
Reporting Unit			CFU/g	CFU/g	CFU/g	CFU/g	per 10g	per 10g	per 10g
Method Detection Limit for Reporting			10	10	10	10	P/A	P/A	P/A
Sample ID	**Sample Description**	**Lot #/Code**	**RESULTS**						
12	L-Methionine	40610/ 00101	<10	<10	<10	<10	ND	ND	ND

Terminology:

CFU = Colony Forming Units g = gram
< Indicates less than the reporting limit as noted
ND = Not Detected, negative, absent. Sensitivity is about 1 organism per test portion.
BAM = FDA Bacteriological Analytical Manual
AOAC OMA = Official Methods of Analysis of the AOAC International, 18th ed.
MPN = Most Probable Number
P/A = Presence/Absence N/A = Not Applicble or not analyzed
CP Staph = Coagulase Positive Staphylococci (Staphylococcus aureus)
CMMEF = Compendium of Methods for the Microbiological Examination of Foods, 4th ed.
AOAC RI = AOAC Research Institute Performance Tested.

SGS CHEMICAL SOLUTIONS LABORATORIES, INC.

Analytical Report

January 21, 2020

Tuyen Luong
Allergy Research Group/NutriCology
2300 North Loop Road
Alameda, CA 94502

WO Number: W20A0573

Client: Allergy Research Group-QC
Client #: A5537-T
Sample Type: Capsule
Collector: Client

Customer PO: LJ01172020
Date Received: 1/20/2020
Date Completed: 01/21/2020
Discard Date: 02/04/2020

CSL#: 20A1537 **L-Methionine - Lot#: 40610/ 00101**

Parameter	Result	PQL	Method	Date	Analyst
Arsenic	<0.050 ug/g	0.050	ICP MS	01/21/20	ARB
Cadmium	<0.050 ug/g	0.050	ICP MS	01/21/20	ARB
Lead	<0.050 ug/g	0.050	ICP MS	01/20/20	KMS
Mercury	<0.050 ug/g	0.050	ICP MS	01/21/20	ARB

CSL#: 20A1537

Parameter	Result	Serving Size	Unit Weight	Specification
Arsenic	<0.05 ug/g	1 Capsule	0.78 g	<0.50 ug/g
Cadmium	<0.05 ug/g	1 Capsule	0.78 g	<0.50 ug/g
Lead	<0.05 ug/g	1 Capsule	0.78 g	<0.50 ug/g
Mercury	<0.05 ug/g	1 Capsule	0.78 g	<0.50 ug/g

Reviewed and Approved,
SGS Chemical Solutions Laboratories, Inc.
DocuSigned by:
Kelli Dempsey
F885AB99F9144C7...
QA Representative

Notes:
CONFIDENTIAL REPORT. This report is confidential and is for the sole use of the addressee.
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The units for the PQL are the same as those shown for the result.

Micro Quality Labs, Inc.

Specializing in Pharmaceutical, Dietary Supplements, Toys and Cosmetics Testing
3125 N. Damon Way • Burbank, California 91505
(818) 845-0070 • Fax: (818) 845-0030
E-Mail: Karine@MicroQualityLabs.com

Customer: **Allergy Research Group, LLC**
Address: 2300 North Loop Road
Alameda, CA 94502

ANALYTICAL/CHEMICAL CERTIFICATE OF ANALYSIS

Sample Name: **L-METHIONINE**
Product Code: 40610
Batch/Lot: 00101
MQL Accession: 200121-0190

PO#: LJ01172020
Sample Description: BULK
Rush: N/A
Received Date: 01/21/20

Test Requested:	Test Method:	Specification:	Results:
L-Methionine (Methionine)	MQLTM-0198 By GC-FID	NLT 500 mg/capsule	509 mg/capsule

Prepared By:

Diana Zavala/Document Control Specialist — JAN 2 7 2020 — 01/27/20

Reviewed By:

Desiree Rodriguez/Quality Assurance Assistant — JAN 2 7 2020 — 01/27/20

The aforementioned results on this report are representative of the samples submitted and may not be indicative of the entire manufacture, batch, and/or lot. Applicable current GMP's shall always be used when sampling. GLP's shall always be practiced by Micro Quality Labs to ensure the most accurate results.

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