

Title: Acetyl-Glutathione, 300 mg	
Allergy Research Group* / NutriCology*	
Document No.: 77060CA	Revision: 02

Certificate of Analysis

Part Number	77060		
Lot Number	906262		
Product Count & Form	60 Scored Tablets		
Packaging, Closure	100 cc bottle, desiccant, rayon		
Storage Condition	Room Temperature		
Shelf Life	24 months	Expiration Date	07/21
Label Number, Size	77060L, C		
Retain Sample	2 bottles per label (4 bottles total)		

ANALYSIS

Physical

Attribute	Method / SOP	Specification	Test Result
Product Color & Size	SOP 515	White, scored on one side and plain on another side, size T2	Complies
Product Weight	SOP 514	Meets USP <2091> 700 – 900 mg	914 mg
Disintegration time	SOP 522	Meets USP <2040>	3 min.

Used Emothione Acetyl Glutathione RM from Gnosis

Purity / Strength per Tablet

Ingredients	Label Claim	Specification	Test Result
S-Acetyl-Glutathione	300 mg	100-150% LC by HPLC	435mg
Other Ingredients: Microcrystalline cellulose, Micosolle ®, Sodium starch glycolate, Magnesium stearate (vegetable source), ascorbic acid, calcium phosphate			

† Refer to 200OS-18

Identification \ Chemical \ Heavy Metals

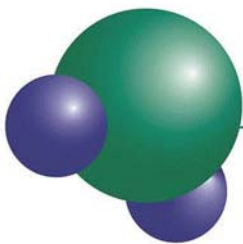
Attribute	Method / SOP	Specification	Test Result
Identity	Bulk Certificate of Analysis Review	Approved	Complies
Identity	Near Infrared Spectroscopy	Matches reference	Complies
Arsenic (inorganic)	ICP-MS per USP <2232>	≤ 15 mcg/day	BQL
Cadmium	ICP-MS per USP <2232>	≤ 5 mcg/day	BQL
Mercury	ICP-MS per USP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

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Microbiology

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

Approval: 	Date: 08/14/19
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Analytical Report

July 31, 2019

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

Page 1 of 1
WO Number: W19G0999

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

Customer PO: LJ07262019
Date Received: 7/29/2019
Date Completed: 07/31/2019
Discard Date: 08/14/2019

CSL#: 19G2389 S-Acetyl-Glutathione - Lot#: 47060/ 20190626@2

Parameter	Result	PQL	Method	Date	Analyst
Arsenic	<0.050 ug/g	0.050	ICP MS	07/30/19	JTP
Cadmium	<0.050 ug/g	0.050	ICP MS	07/30/19	JTP
Lead	<0.050 ug/g	0.050	ICP MS	07/29/19	HG
Mercury	<0.050 ug/g	0.050	ICP MS	07/30/19	JTP

CSL#: 19G2389

Parameter	Result	Serving Size	Unit Weight	Specification
Arsenic	<0.05 ug/g	1 Tablet	0.89 g	<0.50 ug/g
Cadmium	<0.05 ug/g	1 Tablet	0.89 g	<0.50 ug/g
Lead	<0.05 ug/g	1 Tablet	0.89 g	<0.50 ug/g
Mercury	<0.05 ug/g	1 Tablet	0.89 g	<0.50 ug/g

Respectfully Submitted,
Chemical Solutions, Ltd.

QA Representative

Notes:

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The units for the PQL are the same as those shown for the result.



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Project Description: Product Testing (PO # LJ07262019)
Report Issued To: Allergy Research Group
2300 North Loop
Alameda, CA 94501
Contact: Janice Vu

Certificate of Analysis

AEMTEK #: 19071486

Sampling Date: 2019-07-26
Sample Received: 2019-07-29
Analysis Started: 2019-07-29
Analysis Performed By: MM, JC, WY
Report Issue Date: 2019-08-01

Sample ID	Analyte		Aerobic Plate Count	Total Coliforms	Yeast	Mold	Escherichia coli	Salmonella	Staphylococcus aureus
	Method	Reporting Unit							
1			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.)
		Method Detection Limit for Reporting	CFU/g	CFU/g	CFU/g	CFU/g	per 10g	per 10g	per 10g
			10	10	10	10	P/A	P/A	P/A
RESULTS									
			<10	<10	<10	<10	ND	ND	ND

Terminology:

CFU = Colony Forming Units
< 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
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.

N/A = Not Applicable or not analyzed

J 08/01/19



Micro Quality Labs, Inc.

Specializing in Pharmaceutical, Dietary Supplements, Toys and Cosmetics Testing

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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: S-ACETYL-GLUTATHIONE
Product Code: 47060
Batch/Lot: 20190626@2
MQL Accession: 190730-0154

PO#: LJ07262019
Sample Description: FG
Rush: N/A
Received Date: 07/30/19

Test Requested:	Test Method:	Specification:	Results:
S-Acetyl-Glutathione	MQLTM-0193 By HPLC	NLT 300 mg / tablet	435 mg / tablet

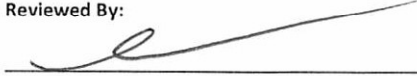
Prepared By:


Kendra Hensley/Document Control Specialist

AUG 07 2019

08/07/19

Reviewed By:


Raffie Avakian/Quality Assurance Reviewer

AUG 07 2019

08/07/19

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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