

Title: **200 Mg of Zen, 60 Vegetarian Capsules**

Allergy Research Group® / NutriCology®

Document No.: 74700CA

Revision: 011

Certificate of Analysis

Part Number	74700		
Lot Number	0101-1		
Product Count & Form	60 Vegetarian Capsules		
Packaging, Closure	120 cc bottle, desiccant, rayon/cotton		
Storage Condition	Room Temperature		
Shelf Life	24 months	Expiration Date	05/2022
Label Number, Size	74700L, D		
Retain Sample	2 bottles per label (4 bottles total)		

ANALYSIS

Physical

Attribute	Method / SOP	Specification	Test Result
Product Color & Size	SOP 515	White, clear, Size "0"	Pass
Product Weight Variation	SOP 514	Meets USP <2091> 500 – 720 mg	Pass, 602mg
Disintegration Time	SOP 522	Meets USP <2040>	Pass

Purity/Strength per Capsule

Active Ingredients	Label Claim	Release Limits	Test Result
L-Theanine (Suntheanine)	100 mg	100 - 150% LC by HPLC	106 mg
GABA (Gamma-Aminobutyric Acid)	275 mg	100 - 150% LC by HPLC	276 mg

Other Ingredients: Hydroxypropyl methylcellulose, microcrystalline cellulose, rice hull concentrate, gum arabic, sunflower oil

*Production and Process Control

Identification \ Chemical \ Heavy Metals


Attribute	Method / SOP	Specification	Test Result
Identity	Bulk Certificate of Analysis Review	Approved	Pass
Identity	Near Infrared Spectroscopy	Matches Reference	Pass
Arsenic (inorganic)	ICP-MS per USP <2232>	≤ 15 µg/day Ψ	BQL
Cadmium	ICP-MS per USP <2232>	≤ 5 µg/day Ψ	0.044 µg/day
Mercury (total)	ICP-MS per USP <2232>	≤ 15 µg/day Ψ	BQL
Lead	ICP-MS per USP <2232>	≤ 10 µg/day Ψ	BQL

Ψ Permitted Daily Exposure, *Production and Process Control

Microbiology

Attribute	Method / SOP	Specification	Test Result
Total Aerobic Count	USP/ AOAC/ FDA BAM	≤ 1 x 10 ⁴ CFU/g	<10 CFU/g
Total Yeast & Mold	USP/ AOAC/ FDA BAM	≤ 1 x 10 ³ CFU/g	<10 CFU/g
Coliform	USP/ AOAC/ FDA BAM	≤ 1 x 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: 	Casey Van Wagoner 2020.07.29 12:56:49 -06'00'	Date: 29JUL2020
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If you liked our service, please tell a friend. If you didn't, please tell us!

Test Certificate

 Description: ZEN Caps
 Sample ID: 44700
 Lot No: B0101
 Location:
 Received: 6/27/2020
 Completed: 7/7/2020

 Client: Allergy Research Group
 2300 S Main St
 Salt Lake City, UT 84115

Lab No: 199095-01

Analysis	Result	Per Unit	Specifications	Method
Mercury	<0.001	µg/g	< 0.5 µg/g	ICP-MS USP <730>
Lead	<0.001	µg/g	< 0.5 µg/g	ICP-MS USP <730>
Arsenic	<0.001	µg/g	< 0.5 µg/g	ICP-MS USP <730>
Cadmium	0.001	µg/g	< 0.5 µg/g	ICP-MS USP <730>
Total Aerobic Microbial Count	<10	CFU/g	<= 10,000 CFU/g	USP <2021>
Coliform	<10	CFU/g	<= 100 CFU/g	AOAC 991.14
E.Coli	Absent	per 10 grams	Absent	USP <2022>
Staphylococcus aureus	Absent	per 10 grams	Absent	USP <2022>
Salmonella	Absent	per 10 grams	Absent	USP <2022>
Total Yeast & Mold	<10	CFU/g	<= 1,000 CFU/g	USP <2021>
Yeast *	<10	CFU/g	<= 1,000 CFU/g	USP <2021>
Mold *	<10	CFU/g	<= 1,000 CFU/g	USP <2021>

* For informational purposes only.

THESE RESULTS APPLY ONLY TO THE SAMPLE SUBMITTED AND NOT TO THE PRODUCT FROM WHICH IT WAS TAKEN. THESE RESULTS ARE PROVIDED ONLY FOR THE BENEFIT OF CLIENT, WITHOUT REPRESENTATION OR WARRANTY OF ANY KIND, EXCEPT FOR THE EXPRESS LIMITED WARRANTY PROVIDED SOLELY TO CLIENT IN ADVANCED LABORATORIES' TERMS OF SERVICE.

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Results Approved By:



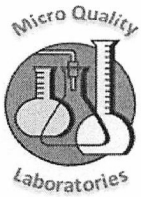
Kristina Nolf - Quality Technician

Dated:

7/7/2020

Printed: 7/7/2020 3:28:11 PM





Micro Quality Labs, Inc.

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

ANALYTICAL/CHEMICAL CERTIFICATE OF ANALYSIS

Sample Name: **ZEN CAPS**
Product Code: 44700
Batch/Lot: B0101
MQL Accession: 200630-0234

PO#: 77757-22
Sample Description: BULK
Rush: N/A
Received Date: 06/30/20

Test Requested:	Test Method:	Specification:	Results:
GABA	MLTMM-0198 By GC-FID	NLT 275 mg/cap	276 mg/cap
Theanine	MLTMM-0198 By GC-FID	NLT 100 mg/cap	106 mg/cap


Prepared By:


Diana Zavala/Document Control Specialist

JUL 07 2020

07/07/20

Reviewed By:


Sade Rodriguez/QA Reviewer

JUL 07 2020

07/07/20

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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