

Title: Magnesium Citrate, 90 Vegetarian Capsules	
Allergy Research Group® / NutriCology®	
Document No.: 70240CA	Revision: 012

Certificate of Analysis

Part Number	70240		
Lot Number	0120179		
Product Count & Form	90 Vegetarian Capsules		
Packaging, Closure	225 cc bottle, desiccant, rayon/cotton		
Storage Condition	Room Temperature		
Shelf Life	36 months	Expiration Date	05/2023
Label Number, Size	70240L, H		
Retain Sample	1 bottle		

ANALYSIS

Physical

Attribute	Method / SOP	Specification	Test Result
Product Color, Size	QC011	White, Clear, size "00"	Complies
Product Weight	SOP 514	Meets USP <2091> Expected 1080 – 1330 mg	Passes, 1,102 mg ¹
Disintegration time	SOP 522	Meets USP <2040>	Pass

¹Per manufacturer CoFA

Purity/Strength per Capsule

Active Ingredients	Label Claim	Release Limits	Test Result
Magnesium (as Magnesium Citrate)	170 mg	100-150% LC by ICP-OES	189 mg/capsule
Other Ingredients: Hydroxypropyl Methylcellulose, Magnesium Stearate, Silicon Dioxide, Microcrystalline Cellulose			

*Production and Process Control

Identification \ Chemical \ Heavy Metals

Attribute	Method / SOP	Specification	Test Result
Identity	Bulk Certificate of Analysis Review	Approved	Approved
Identity	Near Infrared Spectroscopy	Matches Reference	Complies
Arsenic (inorganic)	ICP-MS per USP <2232>	≤ 15 µg/day Ψ	0.374 µg/day
Cadmium	ICP-MS per USP <2232>	≤ 5 µg/day Ψ	0.195 µg/day
Mercury (total)	ICP-MS per USP <2232>	≤ 15 µg/day Ψ	BQL
Lead	ICP-MS per USP <2232>	≤ 10 µg/day Ψ	0.136 µg/day

Ψ Permitted Daily Exposure, *Production and Process Control

BQL - Below quantitative limit

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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	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: 	Digitally signed by Kimberly Vennebush Date: 2020.06.09 10:14:13 -06'00'	Date: 09JUN2020
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If you liked our service, please tell a friend. If you didn't, please tell us!

Test Certificate

Description: Magnesium Citrate
Sample ID: 80240
Lot No: 0120179
Location:
Received: 5/22/2020
Completed: 6/1/2020Client: Allergy Research Group
2300 S Main St
Salt Lake City, UT 84115

Lab No: 196990-01

Analysis	Result	Per Unit	Specifications	Method
Total Aerobic Microbial Count	< 10	CFU/g	<= 1,000 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	<= 100 CFU/g	USP <2021>
Yeast *	< 10	CFU/g	<= 100 CFU/g	USP <2021>
Mold *	< 10	CFU/g	<= 100 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.

THIS CERTIFICATE SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT WRITTEN APPROVAL FROM ADVANCED LABORATORIES.

Results Approved By:


Kristina Noll - Quality Technician

Dated:

6/1/2020

Printed: 6/1/2020 11:59:37 AM



Test Certificate - Amended

Description: Magnesium Citrate
Sample ID: 80240
Lot No: 0120179
Location:
Received: 5/22/2020
Completed: 6/1/2020

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

Lab No: 196991-01A

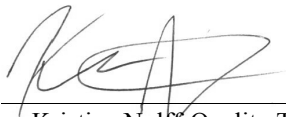
Analysis	Result	Per Unit	Specifications	Method
Mercury	<0.001	µg/g	< 0.5 µg/g	ICP-MS USP <730>
Lead	0.041	µg/g	< 0.5 µg/g	ICP-MS USP <730>
Arsenic	0.113	µg/g	< 0.5 µg/g	ICP-MS USP <730>
Cadmium	0.059	µg/g	< 0.5 µg/g	ICP-MS USP <730>
Magnesium	189	mg/capsule	>= 170 mg/capsule	ICP-OES USP <730>
Magnesium Citrate	1669	mg/capsule	Report	Calculated from Mg Result

§Updated specifications for Manesium and Magnesium Citrate per custome request.

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Results Approved By: _____


Kristina Noll - Quality Technician

Dated: 6/1/2020

Printed: 6/2/2020 11:42:06 AM

Lab No. 196991-01A
replaces 196991-01

