Title: **Solution of Magnesium**	
Allergy Research Group® / NutriCology®	
Document No.: 70320CA	Revision: 008

Certificate of Analysis

Part Number	70320		
Lot Number	174331		
Product Count & Form	8 fl oz liquid		
Packaging, Closure	250 cc amber glass bottle		
Storage Condition	Room Temperature		
Shelf Life	36 months	Expiration Date	06/2023
Label Number, Size	70320L, F		
Retain sample	1 bottle per label (2 bottles total)		

ANALYSIS

Physical

Attribute	Method / SOP	Specification	Test Result
Product Color & Size	QC011	Colorless clear liquid	Complies

*Production and Process Control

Purity/Strength

Active Ingredients	Label Claim	Release Limits	Test Result
Magnesium (as Magnesium Chloride Hexahydrate USP)	66.5 mg / 2.5 mL	100-150% LC by ICP-MS	77.1 mg / 2.5ml
Other Ingredients Purified water, Lactic Acid (1%)			

*Production and Process control

Identification \ Chemical \ Heavy Metals

Attribute	Method / SOP	Specification	Test Result
Identity	Bulk Certificate of Analysis Review	Approved	Approved
Arsenic (inorganic)	ICP-MS per USP <2232>	≤ 15 mcg/day Ψ	BQL Ψ
Cadmium	ICP-MS per USP <2232>	≤ 5 mcg/day Ψ	0.048 mcg/day
Mercury (total)	ICP-MS per USP <2232>	≤ 15 mcg/day Ψ	0.006 mcg/day
Lead	ICP-MS per USP <2232>	≤ 10 mcg/day Ψ	0.021 mcg/day

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

Microbiology

Attribute	Method / SOP	Specification	Test Result
Total Aerobic Count	USP/ AOAC/ FDA BAM	≤ 1 x 10^3CFU/g	<10 CFU/g
Total Yeast & Mold	USP/ AOAC/ FDA BAM	≤ 1 x 10^2 CFU/g	<10 CFU/g
Coliform	USP/ AOAC/ FDA BAM	≤ 1 x 10^2CFU/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 2020.08.18 13:17:56 -06'00'	Date: 18AUG2020

ADVANCED LABORATORIES®
If you liked our service, please tell a friend. If you didn't, please tell us!

40 West Louise Ave., Salt Lake City, UT 84115
Phone: (801) 485-1800 Fax: (801) 484-9211
Email: utlab@advancedlabsinc.com
FDA Registration #14353128308

Test Certificate

Description: Magnesiun Solution
Sample ID: 80320
Lot No: 174331
Location:
Received: 7/30/2020
Completed: 8/10/2020

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

Lab No: 200656-01

Analysis	Result	Per Unit	Specifications	Method
Mercury	0.003	µg/g	< 0.5 µg/g	ICP-MS USP <730>
Lead	0.016	µg/g	< 0.5 µg/g	ICP-MS USP <730>
Arsenic	<0.001	µg/g	< 0.5 µg/g	ICP-MS USP <730>
Cadmium	0.026	µg/g	< 0.5 µg/g	ICP-MS USP <730>
Magnesium	77.1	mg/2.5ml	>= 66.5 mg/2.5ml	ICP-OES USP <730>
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: _____ **Dated:** 8/10/2020
Kristina Nolff-Quality Technician

Printed: 8/10/2020 11:55:16 AM

TREND CHECK