

Title: N-Acetyl Glucosamine (NAG), 90 Capsules

Allergy Research Group® / NutriCology®

Document No.: 71140CA

Revision: 010

Certificate of Analysis

Part Number	71140		
Lot Number	00711		
Product Count & Form	90 Vegetarian Capsules		
Packaging, Closure	175 cc bottle, desiccant, rayon/cotton		
Storage Condition	Room Temperature		
Shelf Life	36 months	Expiration Date	06/2023
Label Number, Size	71140L, F		
Retain Sample	N/A		

ANALYSIS

Physical

Attribute	Method / SOP	Specification	Test Result
Product Color & Size	QC011	White, clear size "0"	Complies
Product Weight	QC012	Meets USP <2091> 560 – 750 mg	Passes, 662 mg
Disintegration Time	QC018	Meet USP <2040>	Passes, 15:00 mins

Purity/Strength per Capsule

Active Ingredients	Label Claim	Release Limits	Test Result
N-Acetyl-D-Glucosamine	500 mg	100-150% LC by HPLC	509 mg/capsule

Other Ingredients: Hydroxypropyl methylcellulose, L-Leucine, 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	Matches Reference
Arsenic (inorganic)	ICP-MS per USP <2232>	≤ 15 mcg/day Ψ	0.014 mcg/day
Cadmium	ICP-MS per USP <2232>	≤ 5 mcg/day Ψ	BQL
Mercury (total)	ICP-MS per USP <2232>	≤ 15 mcg/day Ψ	BQL
Lead	ICP-MS per USP <2232>	≤ 10 mcg/day Ψ	0.016 mcg/day

φ - Complies with California Proposition 65 Limits, Ψ – Permitted Daily Exposure, BQL- Below Quantitative Level

Microbiology

Attribute	Method / SOP	Specification	Test Result
Total Aerobic Count	USP/ AOAC/ FDA BAM	≤ 1 x 10 ³ CFU/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 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 2020.10.28 13:20:04 -06'00'	Date: 28OCT2020
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If you liked our service, please tell a friend. If you didn't, please tell us!

Test Certificate

 Description: N-Acetyl-Glucosamine
 Sample ID: 41140
 Lot No: 00711
 Location:
 Received: 6/27/2020
 Completed: 7/7/2020

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

Lab No: 199094-09

Analysis	Result	Per Unit	Specifications	Method
Mercury	< 0.001	µg/g	< 0.5 µg/g	ICP-MS USP <730>
Lead	0.008	µg/g	< 0.5 µg/g	ICP-MS USP <730>
Arsenic	0.007	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	<= 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.

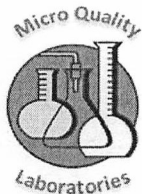
THIS CERTIFICATE SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT WRITTEN APPROVAL FROM ADVANCED LABORATORIES.

 Results Approved By: 
 Kristina Nolf - Quality Technician

Dated: 7/7/2020

Printed: 7/7/2020 3:20:36 PM





Micro Quality Labs, Inc.

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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: **N-ACETYL-GLUCOSAMINE**

Product Code: 41140

Batch/Lot: 00711

MQL Accession: 200630-0233

PO#: 77757-26

Sample Description: BULK

Rush: N/A

Received Date: 06/30/20

Test Requested:	Test Method:	Specification:	Results:
N-Acetyl-D-Glucosamine	MQLTM-0236 By HPLC	NLT 500 mg/cap	509 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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