

Title: **Bone Marrow Beef Natural Glandulars, 100 Capsules**

Allergy Research Group® / NutriCology®

Document No.: 76510CA

Revision: 006

Certificate of Analysis

Part Number	76510		
Lot Number	01003		
Product Count & Form	100 Vegetarian Capsules		
Packaging, Closure	225 cc bottle, desiccant, rayon/cotton		
Storage Condition	Room Temperature		
Shelf Life	36 months	Expiration Date	07/2023
Label Number, Size	76510L, H		
Retain Sample	2 bottles per label (4 bottles total)		

ANALYSIS

Physical

Attribute	Method / SOP	Specification	Test Result
Product Color, Size	QC011	Brown, R/GR, clear size "00"	Complies
Product Weight	QC012	Meets USP <2091>: 870 – 1075 mg	Passes, 975mg
Disintegration Time	QC018	Meets USP <2040>	Passes, 22:00 mins.

Purity/Strength per Capsule

Active Ingredients	Label Claim	Release Limits	Test Result
Bone Marrow (bovine)	500 mg	100-150% LC by input	100-150% by input*
Other Ingredients: Hydroxypropyl methylcellulose, Microcrystalline Cellulose, L-Leucine			

*Production and Process Control

Identification \ Chemical \ Heavy Metals

Attribute	Method / SOP	Specification	Test Result
Identity	Bulk Certificate of Analysis Review	Approved	Approved
Total Protein	Total Protein by Combustion	20 – 60 %	37%
Arsenic (inorganic)	ICP-MS per USP <2232>	≤ 15 mcg/day	0.011
Cadmium	ICP-MS per USP <2232>	≤ 5 mcg/day	BQL
Mercury (total)	ICP-MS per USP <2232>	≤ 15 mcg/day	BQL
Lead	ICP-MS per USP <2232>	≤ 10 mcg/day	0.036

*Production and Process Control, BQL: Below Quantifiable Level

Microbiology

Attribute	Method / SOP	Specification	Test Result
Total Aerobic Count	USP/ AOAC/ FDA BAM	≤ 1 x 10 ⁵ CFU/g	< 10 CFU/g
Total Yeast & Mold	USP/ AOAC/ FDA BAM	≤ 1 x 10 ⁴ CFU/g	< 10 CFU/g
Coliform	USP/ AOAC/ FDA BAM	≤ 1 x 10 ³ 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

Approval:



Digitally signed by Kimberly Vennebush
Date: 2020.11.03 13:45:23 -07'00'

Date: 03NOV2020

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

Test Certificate

Description: Bone Marrow
Sample ID: 46510
Lot No: 01003
Location:
Received: 8/28/2020
Completed: 9/4/2020

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

Lab No: 202306-03

Analysis	Result	Per Unit	Specifications	Method
Mercury	<0.001	µg/g	< 0.5 µg/g	ICP-MS USP <730>
Lead	0.037	µg/g	< 0.5 µg/g	ICP-MS USP <730>
Inorganic Arsenic	0.011	µg/g	< 0.5 µg/g	ICP-MS USP <730> Modified Prep
Cadmium	<0.001	µg/g	< 0.5 µg/g	ICP-MS USP <730>
Total Aerobic Microbial Count	<10	CFU/g	<= 100,000 CFU/g	USP <2021>
Coliform	<10	CFU/g	<= 1,000 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	<= 10,000 CFU/g	USP <2021>
Yeast *	<10	CFU/g	<= 10,000 CFU/g	USP <2021>
Mold *	<10	CFU/g	<= 10,000 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.

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

Results Approved By:


Kristina Noll - Quality Technician

Dated:

9/4/2020

Printed: 9/4/2020 2:21:30 PM





Micro Quality Labs, Inc.

Specializing in Pharmaceutical, Dietary Supplements, Toys and Cosmetics Testing

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Customer: Allergy Research Group, LLC

Address: 2300 North Loop Road

Alameda, CA 94502

ANALYTICAL/CHEMICAL CERTIFICATE OF ANALYSIS

Sample Name: BONE MARROW

Product Code: 46510

Batch/Lot: 01003

MQL Accession: 200828-0230

PO#: 77945-27

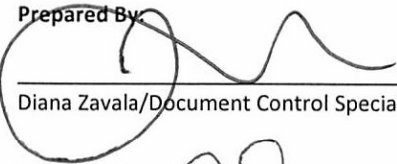
Sample Description: BULK

Rush: N/A

Received Date: 08/28/20

Test Requested:	Test Method:	Specification:	Results:
Protein	MQLTM-0205 By Nitrogen Analyzer	20-60% / g	37% / g


Prepared By:


Diana Zavala/Document Control Specialist

SEP 09 2020

09/09/20

Reviewed By:


Chrissy Swanson/Quality Assurance Reviewer

SEP 09 2020

09/09/20

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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