

Title: **Thymus Natural Glandular, 75 Vegetarian Capsules**

Allergy Research Group® / NutriCology®

Document No.: 71610CA

Revision: 09

Certificate of Analysis

Part Number	71610		
Lot Number	00505		
Product Count & Form	75 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	71610L, D		
Retain Sample	2 bottles per label (4 bottles total)		

ANALYSIS

Physical

Attribute	Method / SOP	Specification	Test Result
Product Color & Size	QC011	Brown-Beige, Clear size "00"	Complies
Product Weight Variation	QC012	Meets USP <2091> 600 – 750 mg	Passes, 672 mg
Disintegration Time	SOP 522	Meets USP <2040>	Passes, 26:00 mins.

Purity/Strength per Vegicap

Active Ingredients	Label Claim	Release Limits	Test Result
Thymus Tissue (Ovine, Lyophilized)	500 mg	100-150% LC by input	100-150% LC by input*
Other Ingredients			
Hydroxypropyl Methylcellulose, Silicon Dioxide, 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	55% – 80% by Nitrogen Analyzer	55% – 80% by Nitrogen Analyzer*
Identity	Near Infrared Spectroscopy	Matches Reference	Matches Reference
Arsenic (inorganic)	ICP-MS per USP <2232>	≤ 15 mcg/day	≤ 15 mcg/day*
Cadmium	ICP-MS per USP <2232>	≤ 5 mcg/day	≤ 5 mcg/day*
Mercury (total)	ICP-MS per USP <2232>	≤ 15 mcg/day	≤ 15 mcg/day*
Lead	ICP-MS per USP <2232>	≤ 10 mcg/day	≤ 10 mcg/day*

*Production and Process Control

Microbiology

Attribute	Method / SOP	Specification	Test Result
Total Aerobic Count	USP/ AOAC/ FDA BAM	≤ 1 x 10 ⁵ CFU/g	≤ 1 x 10 ⁵ CFU/g*
Total Yeast & Mold	USP/ AOAC/ FDA BAM	≤ 1 x 10 ⁴ CFU/g	≤ 1 x 10 ⁴ CFU/g*
Coliform	USP/ AOAC/ FDA BAM	≤ 1 x 10 ³ CFU/g	≤ 1 x 10 ³ 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 2020.08.11 11:05:09 -06'00'	Date: 11AUG2020
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Test Certificate

 Description: Thymus
 Sample ID: 41610/00505
 Lot No:
 Location:
 Received: 5/21/2020
 Completed: 5/29/2020

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

Lab No: 196842-02

Analysis	Result	Per Unit	Specifications	Method
Mercury	0.003	ug/g	< 0.5 ug/g	ICP-MS USP <730>
Lead	0.045	ug/g	< 0.5 ug/g	ICP-MS USP <730>
Arsenic	0.364	ug/g	< 0.5 ug/g	ICP-MS USP <730>
Cadmium	0.002	ug/g	< 0.5 ug/g	ICP-MS USP <730>
† Protein		%	55 - 80 %	AOAC 998.05
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.


 08JUN2020

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: 5/29/2020

 Tests marked with † were done at Atlas Bioscience Labs, LLC, a joint venture with Advanced Laboratories. -
 1775 S. Pantano Rd - Ste #110, Tucson, AZ 85710

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

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

Test Certificate

Description: Thymus
Sample ID: 41610/00505
Lot No:
Location:
Received: 6/1/2020
Completed: 6/8/2020

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

Lab No: 197514-02

Analysis	Result	Per Unit	Specifications	Method
Protein	63.13	%	55 - 80 %	AOAC 990.03

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Results Approved By: _____
Kristina Noll - Quality Technician

Dated: 6/8/2020

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