

Title: **Thyroid Natural Glandulars, 100 Capsules**

Allergy Research Group® / NutriCology®

Document No.: 71810CA

Revision: 007

**Certificate of Analysis**

<b>Part Number</b>	71810		
<b>Lot Number</b>	0560		
<b>Product Count &amp; Form</b>	100 Vegetarian Capsules		
<b>Packaging, Closure</b>	100 cc bottle, desiccant, rayon		
<b>Storage Condition</b>	Room Temperature		
<b>Shelf Life</b>	36 months	Expiration Date	06/2023
<b>Label Number, Size</b>	71810L, C		
<b>Retain Sample</b>	4 bottles total		

**ANALYSIS**

**Physical**

Attribute	Method / SOP	Specification	Test Result
Product Color, Size	QC011	Brown, clear size "3"	Complies
Product Weight Variation	QC012	Meets USP <2091>: 200 – 260 mg	Pass, 235 mg
Disintegration Time	SOP 522	Meet USP <2040>	Pass†

† Per FTI's CoFA

**Purity/Strength**

Active Ingredients	Label Claim	Release Limits	Test Result
Thyroid (bovine)	40 mg	100- 150% of LC by input	100- 150% of LC by input*
<b>Other Ingredients:</b> Hydroxypropyl methylcellulose, Microcrystalline Cellulose, Nu-MAG			

\* Production and Process control

**Identification \ Chemical \ Heavy Metals**

Attribute	Method / SOP	Specification	Test Result
Identity	Bulk Certificate of Analysis Review	Approved	Complies
Total Protein	Total Protein by Combustion	10 – 50 %	10 – 50 %*
Identity	Near Infrared Spectroscopy	Matches reference	Complies
Arsenic	ICP-MS per USP <2232>	≤ 15 mcg/day Ψ <sup>1</sup>	≤ 15 mcg/day Ψ <sup>1*</sup>
Cadmium	ICP-MS per USP <2232>	≤ 5 mcg/day Ψ <sup>1</sup>	≤ 5 mcg/day Ψ <sup>1*</sup>
Mercury (total)	ICP-MS per USP <2232>	≤ 15 mcg/day Ψ <sup>1</sup>	≤ 15 mcg/day Ψ <sup>1*</sup>
Lead	ICP-MS per USP <2232>	≤ 10 mcg/day Ψ <sup>1</sup>	≤ 10 mcg/day Ψ <sup>1*</sup>

Ψ – Permitted Daily Exposure, \* Production and Process control, <sup>1</sup> Tested at raw material stage


**Microbiology**

Attribute	Method / SOP	Specification	Test Result
Total Aerobic Count	USP/ AOAC/ FDA BAM	≤ 1 x 10 <sup>5</sup> CFU/g	180 CFU/g
Total Yeast & Mold	USP/ AOAC/ FDA BAM	≤ 1 x 10 <sup>4</sup> CFU/g	< 10 CFU/g
Coliform	USP/ AOAC/ FDA BAM	≤ 1 x 10 <sup>3</sup> CFU/g	40 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

**Supplemental**

Attribute	Method/ SOP	Specification	Test Result
Triiodothyronine T3	HPLC	Within Acceptance Limit: <2.25 mcg/cap	1.05 mcg/capsule
Thyroxine T4	HPLC	Within Acceptance Limit: < 9.5 mcg/cap	8.44 mcg/capsule

Approval:		Digitally signed by Kimberly Vennebush Date: 2020.08.05 10:40:18 -06'00'	Date: 05AUG2020
-----------	---	---	-----------------



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: Bovine Thyroid  
 Sample ID: 41810  
 Lot No: E0560  
 Location:  
 Received: 7/15/2020  
 Completed: 7/20/2020

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

Lab No: 199906-01

Analysis	Result	Per Unit	Specifications	Method
Total Aerobic Microbial Count	180	CFU/g	< 100,000 CFU/g	USP <2021>
Coliform	40	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: 7/20/2020

Printed: 7/20/2020 5:12:41 PM





# Micro Quality Labs, Inc.

Specializing in Pharmaceutical, Dietary Supplements, Toys and Cosmetics Testing

3125 N. Damon Way • Burbank, California 91505

(818) 845-0070 • Fax: (818) 845-0030

E-Mail: [Karine@MicroQualityLabs.com](mailto:Karine@MicroQualityLabs.com)

**Customer:** Allergy Research Group, LLC  
**Address:** 2300 North Loop Road  
Alameda, CA 94502

## ANALYTICAL/CHEMICAL CERTIFICATE OF ANALYSIS

**Sample Name:** BOVINE THYROID  
**Product Code:** 41810  
**Batch/Lot:** E0560  
**MQL Accession:** 200720-0181

**PO#:** 77757-15  
**Sample Description:** BULK  
**Rush:** N/A  
**Received Date:** 07/20/20

Test Requested:	Test Method:	Specification:	Results:
Triiodothyronine T3	USP 42 By HPLC	< 2.25 mcg/cap	1.05 mcg/cap
Thyroxine T4	USP 42 By HPLC	< 9.5 mcg/cap	8.44 mcg/cap

**Prepared By:**   
Carolina Guzman/Document Control Specialist

AUG 04 2020  
08/04/20

**Reviewed By:**   
Katherine Carrillo/Quality Assurance Specialist

AUG 04 2020  
08/04/20

*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.*

*This report is submitted for the exclusive use of the person, partnership, or corporation to whom it is addressed, and neither the report nor the name of Micro Quality Labs, Inc. nor any member of its staff, may be used in connection with the advertising or sale of any product or process without written authorization from Micro Quality Labs, Inc. Failure to comply will result in immediate legal action by Micro Quality Labs, Inc.*