

Title: Adrenal Natural Glandular, 100 mg 150 Vegetarian Capsules

Allergy Research Group® / NutriCology®

Document No.: 70461CA

Revision: 006

Certificate of Analysis

Part Number	70461		
Lot Number	00622		
Product Count & Form	150 Vegicaps		
Packaging, Closure	225 cc bottle, desiccant, rayon		
Storage Condition	Room Temperature		
Shelf Life	36 months	Expiration Date	05/2023
Label Number, Size	70461L, H		
Retain Sample	4 bottles total		

ANALYSIS

Physical

Attribute	Method / SOP	Specification	Test Result
Product Color, Size	QC011	Brown/Tan w/ speckles, Size "1"	Complies
Product Weight	QC012	Meets USP <2091> 240 – 340 mg	280 mg
Disintegration Time	QC018	Meets USP <2040>	Passes, 12:35 min

Purity/Strength

Active Ingredients	Label Claim	Release Limits	Test Result
Adrenal Tissue (Bovine, lyophilized)	100 mg	100 - 150% of LC by input	100 - 150% of LC by input*
Other Ingredients: Hydroxypropyl Methylcellulose, Microcrystalline cellulose, 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
Identity	Near Infrared Spectroscopy	Matches reference	Matches reference
Total Protein	Total Protein – Combustion	20% - 50%	30.25% / cap
Arsenic (inorganic)	ICP-MS per USP <2232>	≤ 15 mcg/day Ψ	0.002 mcg/day
Cadmium	ICP-MS per USP <2232>	≤ 5 mcg/day Ψ	0.002 mcg/day
Mercury (total)	ICP-MS per USP <2232>	≤ 15 mcg/day Ψ	BQL
Lead	ICP-MS per USP <2232>	≤ 10 mcg/day Ψ	0.064 mcg/day

Ψ – Permitted Daily Exposure, *Production and Process Control BQL-Below Quantitative Limit

Microbiology

Attribute	Method / SOP	Specification	Test Result
Total Aerobic Count	USP/ AOAC/ FDA BAM	≤ 1 x 10 ⁵ CFU/g	5000 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

*Production and Process Control

Approval: 	Casey Van Wagoner 2020.09.21 15:05:28 -06'00'	Date: 21SEP2020
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If you liked our service, please tell a friend. If you didn't, please tell us!

Test Certificate

 Description: Adrenal 100mg
 Sample ID: 40461
 Lot No: 00622
 Location:
 Received: 6/27/2020
 Completed: 7/7/2020

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

Lab No: 199094-08

Analysis	Result	Per Unit	Specifications	Method
Mercury	< 0.001	µg/g	< 0.5 µg/g	ICP-MS USP <730>
Lead	0.229	µg/g	< 0.5 µg/g	ICP-MS USP <730>
Arsenic	0.024	µg/g	< 0.5 µg/g	ICP-MS USP <730>
Cadmium	0.020	µg/g	< 0.5 µg/g	ICP-MS USP <730>
Protein	30.25	%	20 - 50 %	DUMAS AOAC 992.15
Total Aerobic Microbial Count	5,500	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:

7/7/2020

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

