

Title: **Kidney Beef Natural Glandulars, 100 Capsules**

Allergy Research Group® / NutriCology®

Document No.: 72800CA

Revision: 006

Certificate of Analysis

Part Number	72800		
Lot Number	01206		
Product Count and Form	100 Vegetarian Capsules		
Packaging, Closure	225 cc bottle, desiccant, rayon		
Storage Condition	Room Temperature	Manufacture Date	11/2020
Shelf Life	36 months	Expiration Date	11/2023
Label Number, Size	72800L, H		
Retain Sample	2 bottle per lot (4 bottles total)		

ANALYSIS

Physical

Attribute	Method / SOP	Specification	Test Result
Product Color, Size	QC011	Brown, clear, size "00"	Complies
Product Weight	QC012	Meets USP <2091>: 550 - 750 mg	Passes, 641mg
Disintegration Time	QC018	Meets USP <2040>	Passes, 27:00 mins

Purity/Strength per Capsule

Active Ingredients	Label Claim	Release Limits	Test Result
Kidney (bovine, Lyophilized)	500 mg	100 – 150% LC by input	100 – 150% LC by input*
Other Ingredients: Hydroxypropyl methylcellulose, 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	50-90%	61.0%
Identity	Near Infrared Spectroscopy	Matches Reference	Complies
Arsenic (inorganic)	ICP-MS per USP <2232>	≤ 15 mcg/day Ψ	0.020 mcg/day
Cadmium	ICP-MS per USP <2232>	≤ 5 mcg/day Ψ	0.026 mcg/day
Mercury (total)	ICP-MS per USP <2232>	≤ 15 mcg/day Ψ	0.008 mcg/day
Lead	ICP-MS per USP <2232>	≤ 10 mcg/day Ψ	0.054 mcg/day

Ψ- Permitted Daily Exposure, BQL: Below Quantity Limit

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: 	Casey Van Wagoner 2020.12.08 11:21:57 -07'00'	Date: 08DEC2020
---	--	-----------------

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

Test Certificate

 Description: Kidney Beef
 Sample ID: 42800
 Lot No: 01206
 Location:
 Received: 11/18/2020
 Completed: 11/25/2020

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

Lab No: 206612-01

Analysis	Result	Per Unit	Specifications	Method
Mercury	0.021	µg/g	< 0.5 µg/g	ICP-MS USP <730>
Lead	0.132	µg/g	< 0.5 µg/g	ICP-MS USP <730>
Arsenic	0.049	µg/g	< 0.5 µg/g	ICP-MS USP <730>
Cadmium	0.641	µg/g	< 0.5 µg/g	ICP-MS USP <730>
Nitrogen	9.76	%	Report	ALSTM1100
Protein	61.0	%	50 - 90 %	ALSTM1100
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>

(% Nitrogen)(6.25) = (% Protein)

* 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:

11/25/2020

Printed: 11/25/2020 12:47:16 PM

