

Title: **Laktoferrin 350 mg, 120 capsules**

Allergy Research Group* / NutriCology*

Document No.: 72080CA

Revision: 013

Certificate of Analysis

Part Number	72080		
Lot Number	00609		
Product Count & Form	120 Vegetarian Capsules		
Packaging, Closure	275 cc bottle, desiccant, rayon		
Storage Condition	Room Temperature	Manufacture Date	05/2020
Shelf Life	36 months	Expiration Date	05/2023
Label Number, Size	72080L, I		
Retain Sample	N/A		

ANALYSIS

Physical

Attribute	Method / SOP	Specification	Test Result
Product Color, Size	QC011	Beige, clear size "00"	Complies
Product Weight	QC012	Meets USP <2091>: 520 - 650 mg	Pass, 758 mg
Disintegration Time	QC018	Meets USP <2040>	Pass, 17:40 mins

Purity/Strength

Active Ingredients	Label Claim	Release Limits	Test Result
Laktoferrin	350 mg	100-150% LC by input	100-150% LC 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 Nitrogen Analyzer	NLT 35%	47.63%
Identity	Near Infrared Spectroscopy	Matches Reference	Matches Reference
Arsenic (inorganic)	ICP-MS per USP <2232>	≤ 15 mcg/day ψ	0.027 mcg/day
Cadmium	ICP-MS per USP <2232>	≤ 5 mcg/day ψ	0.005 mcg/day
Mercury (total)	ICP-MS per USP <2232>	≤ 15 mcg/day ψ	0.002 mcg/day
Lead	ICP-MS per USP <2232>	≤ 10 mcg/day ψ	0.023 mcg/day

* Production and Process Control, ψ – Permitted Daily Exposure, †Testing variability

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

* Production and Process Control

Approval: 	Digitally signed by Kimberly Vennebush Date: 2020.11.25 14:25:07 -07'00'	Date: 25NOV2020
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If you liked our service, please tell a friend. If you didn't, please tell us!

Test Certificate

 Description: Lactoferrin
 Sample ID: 42080
 Lot No: 00609
 Location:
 Received: 6/10/2020
 Completed: 6/19/2020

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

Lab No: 198044-01

Analysis	Result	Per Unit	Specifications	Method
Mercury	0.003	µg/g	< 0.5 µg/g	ICP-MS USP <730>
Lead	0.031	µg/g	< 0.5 µg/g	ICP-MS USP <730>
Arsenic	0.036	µg/g	< 0.5 µg/g	ICP-MS USP <730>
Cadmium	0.007	µg/g	< 0.5 µg/g	ICP-MS USP <730>
Protein	47.63	%	>= 35 %	DUMAS AOAC 992.15
Total Aerobic Microbial Count	<10	CFU/g	<= 100,000 CFU/g	USP <2021>
Coliform	<10	CFU/g	<= 100 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: 6/19/2020

Printed: 6/19/2020 10:07:01 AM

