

Title: **Laktoferrin with Colostrum, 90 Capsules**

Allergy Research Group® / NutriCology®

Document No.: 71950CA

Revision: 010

Certificate of Analysis

Part Number	71950		
Lot Number	00210		
Product Count & Form	90 Vegetarian Capsules		
Packaging, Closure	175 cc bottle, desiccant, rayon/cotton		
Storage Condition	Room Temperature		
Shelf Life	24 months	Expiration Date	02/2022
Label Number, Size	71950L, F		
Retain Sample	2 bottle per label (4 bottles total)		

ANALYSIS

Physical

Attribute	Method / SOP	Specification	Test Result
Product Color & Size	SOP 515	White, clear, Size "0"	Complies
Product Weight Variation	SOP 514	Meets USP <2091> 420 – 550 mg	Passes, 480 mg
Disintegration Time	SOP 522	Meets USP <2040>	Passes, 26:20 mins.

Purity/Strength per Capsule

Ingredients	Label Claim	Specification	Test Result
Lactoferrin (Bovine) (milk)	100 mg	100-150% LC by input	100-150% LC by input*
Colostrum (Bovine) (Milk)	250 mg	100-150% LC by input	100-150% LC by input*
Lysozyme (Egg White)	5 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
Identity	Near Infrared Spectroscopy	Matches reference	Matches reference
Identity	Total Protein	NLT 60% by Nitrogen Analyzer	71.33 %
Arsenic (inorganic)	ICP-MS per USP <2232>	≤ 15 mcg/day Ψ	0.029 ug/day
Cadmium	ICP-MS per USP <2232>	≤ 5 mcg/day Ψ	BQL
Mercury (total)	ICP-MS per USP <2232>	≤ 15 mcg/day Ψ	BQL
Lead	ICP-MS per USP <2232>	≤ 10 mcg/day Ψ	BQL

BQL – Below Quantitation Level, Ψ – Permitted Daily Exposure, φ - Complies with California Proposition 65 Limits

Title: **Laktoferrin with Colostrum, 90 Capsules**

Allergy Research Group® / NutriCology®

Document No.: 71950CA

Revision: 010

Microbiology

Attribute	Method / SOP	Specification	Test Result
Total Aerobic Count	USP/ AOAC/ FDA BAM	$\leq 1 \times 10^5$ CFU/g	130 CFU/g
Total Yeast & Mold	USP/ AOAC/ FDA BAM	$\leq 1 \times 10^4$ CFU/g	<10 CFU/g
Coliform	USP/ AOAC/ FDA BAM	$\leq 1 \times 10^3$ 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:



Digitally signed by Kimberly Vennebush
Date: 2020.07.08 16:26:25 -06'00'

Date: 08JUL2020

Project Description: Product Testing (PO # LJ02242020)
Report Issued To: Allergy Research Group
 2300 North Loop Rd.
 Alameda, CA 94502
Contact: Janice Vu

Certificate of Analysis

AEMTEK #: 20021316

Sampling Date: 2020-02-24
Sample Received: 2020-02-25
Analysis Started: 2020-02-25
Analysis Performed By: EW, EL, RKC, WY, FH
Report Issue Date: 2020-02-28

Analyte	Aerobic Plate Count	Total Coliforms	Yeast	Mold	Escherichia coli	Salmonella	Staphylococcus aureus		
Method	AOAC OMA 990.12	AOAC OMA 991.14	AOAC OMA 2014.05	AOAC OMA 2014.05	USP 37 <62> (mod.)	USP 37 <62> (mod.)	USP 37 <62> (mod.)		
Reporting Unit	CFU/g	CFU/g	CFU/g	CFU/g	per 10g	per 10g	per 10g		
Method Detection Limit for Reporting	10	10	10	10	P/A	P/A	P/A		
Sample ID	Sample Description	Lot #/Code	RESULTS						
6	Laktoferrin	41950/ 00210	140	<10	<10	<10	ND	ND	ND

Terminology:

CFU = Colony Forming Units g = gram
 < Indicates less than the reporting limit as noted
 ND = Not Detected, negative, absent. Sensitivity is about 1 organism per test portion.
 BAM = FDA Bacteriological Analytical Manual
 AOAC OMA = Official Methods of Analysis of the AOAC International, 18th ed.

MPN = Most Probable Number
 P/A = Presence/Absence N/A = Not Applicable or not analyzed
 CP Staph = Coagulase Positive Staphylococci (Staphylococcus aureus)
 CMMEF = Compendium of Methods for the Microbiological Examination of Foods, 4th ed.
 AOAC RI = AOAC Research Institute Performance Tested.



Analytical Report
February 28, 2020

Tuyen Luong
Allergy Research Group/NutriCology
2300 North Loop Road
Alameda, CA 94502

Page 1 of 1
WO Number: W20B0848

Client: Allergy Research Group-QC
Client #: A5537-T
Sample Type: Capsule
Collector: Client

Customer PO: LJ02242020
Date Received: 2/26/2020
Date Completed: 02/28/2020
Discard Date: 03/13/2020

CSL#: 20B2131 Lactoferrin - Lot#: 41950/ 00210

Parameter	Result	PQL	Method	Date	Analyst
Arsenic	0.063 ug/g	0.050	ICP MS	02/27/20	ARB
Cadmium	<0.050 ug/g	0.050	ICP MS	02/27/20	ARB
Lead	<0.050 ug/g	0.050	ICP MS	02/26/20	TMY
Mercury	<0.050 ug/g	0.050	ICP MS	02/27/20	ARB

CSL#: 20B2131

Parameter	Result	Serving Size	Unit Weight	Specification
Arsenic	0.06 ug/g	1 Capsule	0.47 g	<0.50 ug/g
Cadmium	<0.05 ug/g	1 Capsule	0.47 g	<0.50 ug/g
Lead	<0.05 ug/g	1 Capsule	0.47 g	<0.50 ug/g
Mercury	<0.05 ug/g	1 Capsule	0.47 g	<0.50 ug/g

Reviewed and Approved,
SGS Chemical Solutions Laboratories, Inc.

DocuSigned by:
Gabriella Citriniti
AB576437A52E4E4...
QA Representative

Notes:

CONFIDENTIAL REPORT. This report is confidential and is for the sole use of the addressee.
This report can only be reproduced in full.
The units for the PQL are the same as those shown for the result.



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: Laktoferrin
 Sample ID: 41950/ 00210
 Lot No:
 Location:
 Received: 2/25/2020
 Completed: 3/3/2020

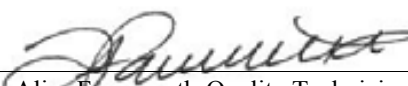
Client: Allergy Research Group
 2300 N Loop Rd.
 Alameda, CA 94502

Lab No: 189569-01

Analysis	Result	Per Unit	Specifications	Method
† Protein	71.33	%	>= 60 %	AOAC 988.05

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:  Dated: 3/3/2020
 Alisa Farnsworth-Quality Technician

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

Printed: 3/3/2020 3:29:17 PM

