

Title: Essential-Biotic™ Women's, 60 delayed-release vegetarian capsules	
Allergy Research Group* / NutriCology*	
Document No.: 77330CA	Revision: 001

Certificate of Analysis

Part Number	77330		
Lot Number	878500		
Product Count & Form	60 delayed- release Vegetarian Capsules		
Packaging, Closure	120 cc blue glass bottle, desiccant, organic cotton		
Storage Condition	Room Temperature		
Shelf Life	18 months	Expiration Date	10/20
Label Number, Size	77330L, E		
Retain Sample	2 bottles per label (4 bottles total)		

ANALYSIS

Physical

Attribute	Method / SOP	Specification	Test Result
Product Color, Size	SOP 515	White to off-white, clear, size "0"	Complies
Product Weight	SOP 514	310 – 400 mg	Pass, 506 mg
Disintegration time	SOP 522	Meets USP <2040>	Pass

Milk Allergen

Attribute	Method / SOP	Specification	Test Result
Total Milk Content	Veratox	None Detected	None Detected*
Gluten content	Gliadin Protein Test/ ELISA	< 20 PPM	< 20 PPM*

*Production and Process Control

Identification \ Chemical \ Heavy Metals

Attribute	Method / SOP	Specification	Test Result
Identity	Bulk Certificate of Analysis Review	Approved	Complies
Identity	Near Infrared Spectroscopy	Matches Reference	Complies
Arsenic (inorganic)	ICP-MS per USP <2232>	≤ 15 mcg/day	BQL
Cadmium	ICP-MS per USP <2232>	≤ 5 mcg/day	BQL
Mercury (total)	ICP-MS per USP <2232>	≤ 15 mcg/day	BQL
Lead	ICP-MS per USP <2232>	≤ 10 mcg/day	BQL

* Production and Process control

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Allergy Research Group® / NutriCology®	
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Purity/Strength per Capsule

Active Ingredients	Label Claim	Release Limits	Test Result
Proprietary Blend containing the following bacteria:	2.5 x 10 ¹⁰ CFU/cap (25 billion)	100-150% LC by Compendium total Probiotic 5 th Edition, Chapter 20	4.5 x 10 ¹⁰ CFU /cap
<i>Lactobacillus acidophilus</i>			
<i>Lactobacillus plantarum</i>			
<i>Lactobacillus reuteri</i>			
<i>Lactobacillus crispatus</i>			
<i>Bifidobacterium lactis</i>			
<i>Lactobacillus gasseri</i>			
<i>Lactobacillus paracasei</i>			
<i>Lactobacillus rhamnosus</i>			
<i>Lactobacillus brevis</i>			
<i>Bifidobacterium longum</i>			
Other Ingredients: Hydroxypropyl methylcellulose, water, gellan gum, microcrystalline cellulose, silica.			

* Production and Process control

Microbiology

Attribute	Method / SOP	Specification	Test Result
Total non-lactics	ISO 13559:2002	≤ 5 x 10 ³ CFU/g	40 CFU/g
Total Yeast & Mold	USP/ AOAC/ FDA BAM	≤ 1 x 10 ⁵ CFU/g	<10 CFU/g
Coliform	USP/ AOAC/ FDA BAM	≤ 1 x 10 ⁴ 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: 	Date: 06/18/19
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Certificate of Analysis

Allergy Research Group

2300 N. Loop Rd.
Alameda California 94502 United States

Sample Name:	Womens 25B	Eurofins Sample:	8492205
Project ID	ALLER_RE_G-20190524-0024	Receipt Date	24-May-2019
PO Number	MH05222019	Receipt Condition	Ambient temperature
Sample Serving Size	1 Cap	Login Date	24-May-2019
Description	87330 878500	Date Started	28-May-2019

Analysis

Result

Probiotic Enumeration

Entity Weight	0.5000 g
Entity Fill Weight	0.4080 g
Entity Weight	0.5000 g
Entity Fill Weight	0.4080 g

Probiotic Enumeration - UAS SOPJ32 Method

Probiotic Enumeration	4.5e10 CFU/Serving
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Non-Lactic Count

Non-Lactic Count	40 CFU/g
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Method References

Testing Location

Non-Lactic Count (ISONLC)

Food Integ. Innovation-Madison NE

ISO 13559:2002

Probiotic Enumeration - UAS SOPJ32 Method (PROBIOMISC)

Food Integ. Innovation-Madison NE

Client Supplied Method
SOP J32

Probiotic Enumeration (PREP_NE)

Food Integ. Innovation-Madison NE

Testing Location(s)

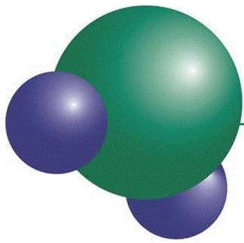
Released on Behalf of Eurofins by

Food Integ. Innovation-Madison NE

Richard Higby - Director

Eurofins Food Chemistry Testing US, Inc.
2102 Wright Street
Madison WI 53704
800-675-8375

These results apply only to the items tested. This certificate of analysis shall not be reproduced, except in its entirety, without the written approval of Eurofins.



Analytical Report
May 29, 2019

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

Page 1 of 1
WO Number: W19E1024

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

Customer PO: MH05222019
Date Received: 5/23/2019
Date Completed: 05/29/2019
Discard Date: 06/12/2019

CSL#: 19E2699 Women's 25B - Lot#: 87330/ 878500

Parameter	Result	PQL	Method	Date	Analyst
Arsenic	<0.050 ug/g	0.050	ICP MS	05/28/19	KMS
Cadmium	<0.050 ug/g	0.050	ICP MS	05/28/19	KMS
Lead	<0.050 ug/g	0.050	ICP MS	05/28/19	KMS
Mercury	<0.050 ug/g	0.050	ICP MS	05/28/19	KMS

CSL#: 19E2699

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

Respectfully Submitted,
Chemical Solutions, Ltd.

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.



AEMTEK, INC.

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Fremont, CA 94539
Phone: 510-979-1979
Fax: 510-668-1980
E-mail: labdata@aemtek.com
Web: www.aemtek.com

Project Description: Product Testing (PO # MH05222019)
Report Issued To: Allergy Research Group
2300 North Loop
Alameda, CA 94501
Contact: Janice Vu

Certificate of Analysis

AEMTEK #: 19051075

Sampling Date: 2019-05-22
Sample Received: 2019-05-23
Analysis Started: 2019-05-23
Analysis Performed By: WY, FH, JC, MM
Report Issue Date: 2019-05-26

Sample ID	Analyte	Total Coliforms	Yeast	Mold	Escherichia coli	Salmonella	Staphylococcus aureus
4	Method Reporting Unit Method Detection Limit for Reporting Sample Description Women's 25B	AOAC OMA 991.14 CFU/g 10 <10	AOAC OMA 2014.05 CFU/g 10 <10	AOAC OMA 2014.05 CFU/g 10 <10	USP 37 <62> (mod.) per 10g P/A	USP 37 <62> (mod.) per 10g P/A	USP 37 <62> (mod.) per 10g P/A
RESULTS							

Terminology:
CFU = Colony Forming Units
< 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
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.

Handwritten: 05/28/19