

Title: NT Factor EnergyLipids Chewable 60 Tabs	
Allergy Research Group* / NutriCology*	
Document No.: 56760CA	Revision: 006

Certificate of Analysis

Part Number	56760		
Lot Number	183347		
Product Count & Form	60 Chewable Tablets		
Packaging, Closure	400 cc bottle, desiccant, cotton/rayon		
Storage Condition	Room Temperature		
Shelf Life	24 months	Expiration Date	12/21
Label Number, Size	56760L, E		
Retain Sample	1 bottles per label (2 bottles total)		

ANALYSIS

Physical

Attribute	Method / SOP	Specification	Test Result
Product Color, Size	SOP 515	Pink with light brown spotted, Chewable	Complies
Product Weight	SOP 514	Meets USP <2091> Expected 2,900 – 3,650 mg	Passes, 3197 mg
Product Taste	SOP 515	Acceptable, Sweet, slightly tangy, Oily/Lipid texture Compares for historical	Complies

Purity/Strength per Tablet

Active Ingredients	Label Claim	Release Limits	Test Result
Proprietary Blend containing; Phosphatadic Acid (PA) Phosphatidyl-Choline (PC) Phosphatidyl-ethanolamine (PE) Phosphatidyl-glycerol (PG) Phosphatidyl-inositol (PI) Phosphatidylserine(PS) Digalactosyldiacylglyceride (DGDG) Monogalactosyldiacylglyceride (MGDG)	918 mg (Proprietary Blend) 515 mg (Phospholipid Content)	100-150% LC by P-NMR	700.9 mg (Phospholipid Content)
Other Ingredients: Xylitol, FOS, vegetable stearic acid, maltodextrin, beet juice (natural color), vegetable magnesium stearate, citric acid, triacetin, pantethine, natural mixed berry flavor, sodium borate, rosemary extract, silicon dioxide.			

*Production and process Control

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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
Arsenic (inorganic)	ICP-MS per USP <2232>	≤ 15 mcg/day Ψ	BQL
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

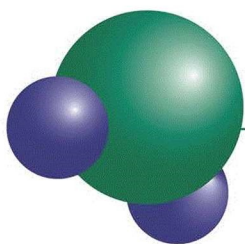
Ψ – Permitted Daily Exposure, *Production and process Control
BQL; below quantitation limit

Microbiology

Attribute	Method / SOP	Specification	Test Result
Total Aerobic Count	USP/ AOAC/ FDA BAM	$\leq 1 \times 10^4$ CFU/g	10 CFU/g
Total Yeast & Mold	USP/ AOAC/ FDA BAM	$\leq 1 \times 10^3$ CFU/g	<10 CFU/g
Coliform	USP/ AOAC/ FDA BAM	$\leq 1 \times 10^2$ 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: 02/26/19
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Analytical Report

February 13, 2019

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

Page 1 of 1
WO Number: W19B0358

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

Customer PO: MH02082019
Date Received: 2/11/2019
Date Completed: 02/13/2019
Discard Date: 02/27/2019

CSL#: 19B1004 **NTFactor Energy - Lot#: 86760/183347**

Parameter	Result	PQL	Method	Date	Analyst
Arsenic	<0.050 ug/g	0.050	ICP MS	02/12/19	JTP
Cadmium	<0.050 ug/g	0.050	ICP MS	02/12/19	JTP
Lead	<0.050 ug/g	0.050	ICP MS	02/12/19	ARB
Mercury	<0.050 ug/g	0.050	ICP MS	02/12/19	JTP

CSL#: 19B1004

Parameter	Result	Serving Size	Unit Weight	Specification
Arsenic	<0.05 ug/g	1 Tablet	3.15 g	<0.50 ug/g
Cadmium	<0.05 ug/g	1 Tablet	3.15 g	<0.50 ug/g
Lead	<0.05 ug/g	1 Tablet	3.15 g	<0.50 ug/g
Mercury	<0.05 ug/g	1 Tablet	3.15 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.
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The units for the PQL are the same as those shown for the result.



AEMTEK, INC.

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Fremont, CA 94539
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E-mail: labdata@aemtek.com
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Project Description: Product Testing (PO # MH02082019)
Report Issued To: Allergy Research Group
2300 North Loop
Alameda, CA 94501
Contact: Janice Vu

Certificate of Analysis

AEMTEK #: 1902441

Sampling Date: 2019-02-08
Sample Received: 2019-02-11
Analysis Started: 2019-02-11
Analysis Performed By: TD, JC, WY, FH
Report Issue Date: 2019-02-14

Sample ID	Analyte	Aerobic Plate Count	Total Coliforms	Yeast	Mold	Escherichia coli	Salmonella	Staphylococcus aureus
1	Method Reporting Unit Method Detection Limit for Reporting	AOAC OMA 990.12 CFU/g 10	AOAC OMA 991.14 CFU/g 10	AOAC OMA 2014.05 CFU/g 10	AOAC OMA 2014.05 CFU/g 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								
	Sample Description NTFactor Energy	Lot #/Code 86760/ 183347	<10	<10	<10	ND	ND	ND

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.

JW 0211415