

Title: Tocomin SupraBio Tocotrienols 200 mg, 60 Softgels	
Allergy Research Group* / NutriCology*	
Document No.: 76750CA	Revision: 008

1 Certificate of Analysis

Part Number	76750		
Lot Number	0501 - 9130		
Product Count & Form	60 Softgels		
Packaging, Closure	225 cc bottle, desiccant		
Storage Condition	Room Temperature		
Shelf Life	36 months	Expiration Date	04/21
Label Number, Size	76750L, C		
Retain Sample	1 bottle per label (2 bottles total)		

ANALYSIS

Physical

Attribute	Method / SOP	Specification	Test Result
Product Color, Size	SOP 515	Light Red amber fill, S3 (Oblong 24)	Complies
Product Weight	SOP 514	Meet USP <2091> 1590- 1940 mg	1803 mg
Disintegration Time	SOP 522	Meet USP <2040>	Pass, 2 minutes†

† Data based on manufacturer tested results

Purity/Strength per Softgel

Active Ingredients	Label Claim	Release Limits	Test Result
Tocomin SupraBio® 20% (non-GMO) containing:	1315 mg	100-150% LC by input	100-150% LC by input*
Vitamin E (as d-Alpha Tocopherol)	68 IU	100-150% LC by HPLC	100-150% LC by HPLC*
Natural d-Mixed Tocotrienols	200 mg	100-150% LC by HPLC	247 mg
<i>d-Gamma-Tocotrienol</i>			
<i>d-Alpha-Tocotrienol</i>			
<i>d-Delta-Tocotrienol</i>			
<i>d-Beta-Tocotrienol</i>			
Plant Squalene	13 mg	100-150% LC by input	100-150% LC by input*
Phytosterol Complex	13 mg	100-150% LC by input	100-150% LC by input*
Other Ingredients			
Gelatin, glycerin, purified water, medium chain triglycerides, polyglycerol esters of fatty acids, mixed carotenoid complex, coenzyme Q10.			

* Production and Process Control,

Title: **Tocomin SupraBio Tocotrienols 200 mg, 60 Softgels**

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Identification \ Chemical \ Heavy Metals

Attribute	Method / SOP	Specification	Test Result
Identity	Bulk Certificate of Analysis Review	Approved	Complies
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

* Production and Process Control, Ψ – Permitted Daily Exposure

Microbiology

Attribute	Method / SOP	Specification	Test Result
Total Aerobic Count	USP/ AOAC/ FDA BAM	$\leq 1 \times 10^3$ CFU/g	<10 CFU/g
Total Yeast & Mold	USP/ AOAC/ FDA BAM	$\leq 1 \times 10^2$ 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: 07/30/19
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Certificate of Analysis

Allergy Research Group

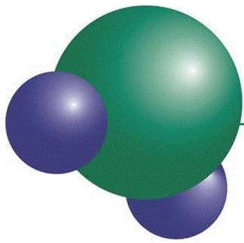
Sample Name:	Tocomin 200mg	Eurofins Sample:	8554705
Project ID	ALLER_RE_G-20190620-0026	Receipt Date	17-Jun-2019
PO Number	MH06142019	Receipt Condition	Ambient temperature
Sample Serving Size	1 Softgel	Login Date	20-Jun-2019
Description	86750, 86751/0501-9130	Date Started	26-Jun-2019
		Number Composited	20

Analysis	Result
Calculated Sample Weight	
Entity Weight	1.8159 g
Total Tocopherols and Tocotrienols	
Alpha Tocotrienol	89.5 mg/Serving Size
Beta Tocotrienol	12.4 mg/Serving Size
Gamma Tocotrienol	113 mg/Serving Size
Delta Tocotrienol	31.7 mg/Serving Size
Total Tocotrienols	247 mg/Serving Size

Method References	Testing Location
Calculated Sample Weight (PREP)	Food Integrity Innovation-Madison
Total Tocopherols and Tocotrienols (MISC_6008) CTM_0267/02	Food Integrity Innovation-Madison

Testing Location(s)	Released on Behalf of Eurofins by
Food Integrity Innovation-Madison Eurofins Food Chemistry Testing US, Inc. 3301 Kinsman Blvd Madison WI 53704 800-675-8375	Edward Ladwig - Director

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
June 21, 2019

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

Page 1 of 1
WO Number: W19F0552

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

Customer PO: MH06142019
Date Received: 6/17/2019
Date Completed: 06/21/2019
Discard Date: 07/05/2019

CSL#: 19F1182 Tocomin 200mg - Lot#: 86750,86751/0501-9130

Parameter	Result	PQL	Method	Date	Analyst
Arsenic	<0.050 ug/g	0.050	ICP MS	06/20/19	KMS
Cadmium	<0.050 ug/g	0.050	ICP MS	06/20/19	KMS
Lead	<0.050 ug/g	0.050	ICP MS	06/18/19	JTP
Mercury	<0.050 ug/g	0.050	ICP MS	06/20/19	KMS

CSL#: 19F1182

Parameter	Result	Serving Size	Unit Weight	Specification
Arsenic	<0.05 ug/g	1 Soft Gel	1.82 g	<0.50 ug/g
Cadmium	<0.05 ug/g	1 Soft Gel	1.82 g	<0.50 ug/g
Lead	<0.05 ug/g	1 Soft Gel	1.82 g	<0.50 ug/g
Mercury	<0.05 ug/g	1 Soft Gel	1.82 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.



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Certificate of Analysis

Project Description: Product Testing (PO # MH06142019)
Report Issued To: Allergy Research Group
2300 North Loop
Alameda, CA 94501
Contact: Janice Vu

Sampling Date: 2019-06-14
Sample Received: 2019-06-17
Analysis Started: 2019-06-17
Analysis Performed By: WY, MM, JC
Report Issue Date: 2019-06-20

AEMTEK #: 1906758

Sample ID	Analyte	Aerobic Plate Count	Total Coliforms	Yeast	Mold	Escherichia coli	Salmonella	Staphylococcus aureus
7	Method Reporting Unit Method Detection Limit for Reporting Sample Description Lot #/Code Tocomin 200mg	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								
		<10	<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.

JK
06/20/19