

Title: DIM Palmetto	
Allergy Research Group* / NutriCology*	
Document No.: 74190CA	Revision: 008

Certificate of Analysis

Part Number	74190		
Lot Number	20108		
Product Count & Form	60 Softgels		
Packaging, Closure	225 cc bottle, desiccant		
Storage Condition	Room Temperature		
Shelf Life	24 months	Expiration Date	05/20
Label Number, Size	74190L, C		
Retain Sample	2 bottles per label (4 bottles total)		

ANALYSIS

Physical

Attribute	Method / SOP	Specification	Test Result
Product Color, Size	SOP 515	Brown, red-brown fill, oblong size "22"	Complies
Product Weight	SOP 514	Meets USP <2091> 1750 – 2030 mg	1,852 mg
Disintegration Time	SOP 522	Meets USP <2040>	Pass, 9 mins.

Purity/Strength

Active Ingredients	Label Claim	Release Limits	Test Result
Saw Palmetto Berry Extract	160 mg	100-150% LC by input	100-150% LC by input*
Beta Sitosterol, Plant Phytosterols	60 mg	100-150% LC by input	100-150% LC by input*
Zinc (Citrate Dihydrate)	5 mg	100-150% LC by ICP-MS	100-150% LC by ICP-MS*
BioResponse DIM (Diindolylmethane) Minimum 25% DIM	150 mg (37.5 mg DIM)	100-150% by HPLC	48.8 mg (DIM)
Lycopene	7.5 mg	100-150% by HPLC	100-150% by HPLC*
Pumpkin Seed oil	446.3 mg	100-150% LC by input	100-150% LC by input*
Nettle Root extract, 16:1	150 mg	100-150% LC by input	100-150% LC by input*
Other Ingredients			
Bovine Gelatin, Glycerin, Water, Yellow Beeswax, Carob Extract, zinc oxide			

*Production and Process Control

Title: DIM Palmetto	
Allergy Research Group® / NutriCology®	
Document No.: 74190CA	Revision: 008

Identification \ Chemical \ Heavy Metals

Attribute	Method / SOP	Specification	Test Result
Identity	Bulk Certificate of Analysis Review	Approved	Approved
Identity	Near Infrared Spectrometry	Matches Reference	Matches Reference
Arsenic (inorganic)	ICP-MS per USP <2232>	≤ 15 µg/day Ψ	0.37 µg/day
Cadmium	ICP-MS per USP <2232>	≤ 5 µg/day Ψ	BQL
Mercury (total)	ICP-MS per USP <2232>	≤ 15 µg/day Ψ	BQL
Lead	ICP-MS per USP <2232>	≤ 10 µg/day Ψ	BQL

BQL - Below Quantitation Level, Ψ-Permitted Daily Exposure, φ - Complies with California Proposition 65 Limits, *Production and Process Control

Microbiology

Attribute	Method / SOP	Specification	Test Result
Total Aerobic Count	USP/ AOAC/ FDA BAM	≤ 1 x 10 ⁷ CFU/g	< 10 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	≤ 1 x 10 ² CFU/g†	None Detected
Staphylococcus aureus	USP/ AOAC/ FDA BAM	None Detected	None Detected
Salmonella	USP/ AOAC/ FDA BAM	None Detected	None Detected

† Upon presence of Escherichia coli, determine if colonies are enterovirulent. There is a zero tolerance for the presence of enterovirulent Escherichia coli.

*Production and Process Control

Approval: 	Date: 07/16/18
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Certificate of Analysis

Allergy Research Group

Sample Name:	Saw Palmetto Complex	Covance Sample:	7444686
Project ID	ALLER_RE_G-20180629-0013	Receipt Date	29-Jun-2018
PO Number	MH06272018	Receipt Condition	Ambient temperature
Sample Serving Size	1 Softgel	Login Date	29-Jun-2018
Description	44190_18020108	Online Order	20

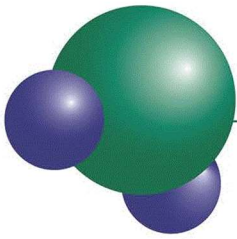
Analysis	Result
Calculated Sample Weight	
Entity Weight	1.8593 g
Diindolymethane by UPLC	
Diindolymethane	48.8 mg/Serving Size

Method References	Testing Location
Calculated Sample Weight (PREP_BREA)	Covance Laboratories - Brea
Diindolymethane by UPLC (MISC_OC) Covance Developed Method	Covance Laboratories - Brea

Testing Location(s)	Released on Behalf of Covance by
Covance Laboratories - Brea	Richard Sanders - Manager

Covance Laboratories Inc.
 2951 Saturn Street
 Unit C
 Brea CA 92821
 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 Covance.



Analytical Report
June 05, 2018

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

Page 1 of 1
WO Number: W18F1100

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

Customer PO:
Date Received: 6/28/2018
Date Completed: 07/05/2018
Discard Date: 07/19/2018

CSL#: 18F2827 Saw Palmetto Complex - Lot#: 44190 / 18020108

Parameter	Result	PQL	Method	Date	Analyst
Arsenic	0.095 ug/g	0.050	ICP MS	07/03/18	JTP
Cadmium	<0.050 ug/g	0.050	ICP MS	07/03/18	JTP
Lead	<0.050 ug/g	0.050	ICP MS	07/02/18	HG
Mercury	<0.050 ug/g	0.050	ICP MS	07/03/18	JTP

CSL#: 18F2827

Parameter	Result	Serving Size	Unit Weight	Specification
Arsenic	0.10 ug/g	1 Soft Gel	1.85 g	<0.50 ug/g
Cadmium	<0.05 ug/g	1 Soft Gel	1.85 g	<0.50 ug/g
Lead	<0.05 ug/g	1 Soft Gel	1.85 g	<0.50 ug/g
Mercury	<0.05 ug/g	1 Soft Gel	1.85 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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Project Description: Product Testing (PO # JV07062018)
Report Issued To: Allergy Research Group
2300 North Loop
Alameda, CA 94501
Contact: Janice Vu

Certificate of Analysis

AEMTEK #: 1807286

Sampling Date: 2018-07-06
Sample Received: 2018-07-09
Analysis Started: 2018-07-09
Analysis Performed By: JC, WY
Report Issue Date: 2018-07-12

Sample ID	Analyte	Aerobic Plate Count	Total Coliforms	Yeast	Mold	Escherichia coli	Salmonella	Staphylococcus aureus
2	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 Description	RESULTS						
	Saw Palmetto Complex	<10	<10	<10	<10	ND	ND	ND
	Lot #/Code	44190/ 18020108						

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.

N/A = Not Applicable or not analyzed

W
07/12/18