

Title: <b>DHEA 10 mg, 60 scored tablets</b>	
Allergy Research Group* / NutriCology*	
Document No.: 74780CA	Revision: 007

### Certificate of Analysis

<b>Part Number</b>	74780		
<b>Lot Number</b>	812103		
<b>Product Count &amp; Form</b>	60 tablets		
<b>Packaging, Closure</b>	60 cc bottle, desiccant, rayon		
<b>Storage Condition</b>	Cool, dry place		
<b>Shelf Life</b>	24 months	Expiration Date	12/20
<b>Label Number, Size</b>	74780L, M		
<b>Retain Sample</b>	2 bottles per label (4 bottles total)		

### ANALYSIS

#### Physical

Attribute	Method / SOP	Specification	Test Result
Product Color, Size	SOP 515	White, Oblong, scored T1 tablet (embossed "DHEA" on one side and embossed "10" and "MG" on other side)	Complies
Product Weight Variation	SOP 514	Meets USP <2091> 240 – 270 mg	Passes, 247 mg
Disintegration Time	SOP 522	Meets USP <2040>	Pass, 3 min

#### Purity/Strength

Active Ingredients	Label Claim	Release Limits	Test Result
DHEA (Dehydroepiandrosterone)	10 mg	100 – 150% LC by HPLC	10 mg
<b>Other Ingredients</b>			
Micosolle® , a silca-based excipient containing a non-ionic surfactant, microcrystalline cellulose, vegetable oil, vegetable wax, Cab-o-sil®, Vitamin E, Magnesium stearate			

\*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 Ψ	BQL Ψ
Cadmium	ICP-MS per USP <2232>	≤ 5 mcg/day Ψ	BQL Ψ
Mercury (total)	ICP-MS per USP <2232>	≤ 15 mcg/day Ψ	BQL Ψ
Lead	ICP-MS per USP <2232>	≤ 10 mcg/day Ψ	BQL Ψ

Ψ Permitted Daily Exposure, \*Production and Process control


BQL; Below Quantitation Limit

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**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: 01/29/19
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# Micro Quality Labs, Inc.

Specializing in Pharmaceutical, Dietary Supplements, Toys and Cosmetic Testing  
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E-Mail: [Karine@MicroQualityLabs.com](mailto:Karine@MicroQualityLabs.com)

**Customer:** Allergy Research Group  
**Address:** 2300 North Loop Road  
Alameda, CA 94502

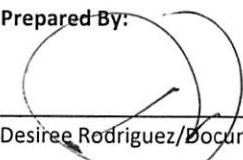
## ANALYTICAL/CHEMICAL CERTIFICATE OF ANALYSIS

Sample Name: **DHEA 10mg**  
Product Code: 44780  
Batch/Lot #: 20181210@3  
MQL Accession #: 190109-0083

PO#: MH01042019  
Sample Description: FG  
Rush: 2-3 Days  
Received Date: 01/09/19

Test Requested:	Test Method Number:	Client Specification:	Results:
DHEA (Dehydroepiandrosterone)	MLTMM-0592 By UPLC	10 mg/tab	10 mg/tab

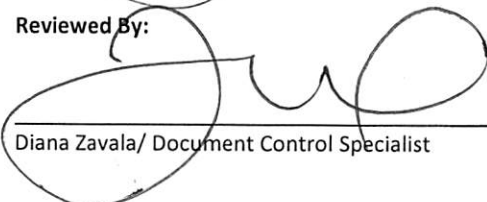
Prepared By:

  
\_\_\_\_\_  
Desiree Rodriguez/Document Control Supervisor

JAN 15 2019

01/15/19

Reviewed By:

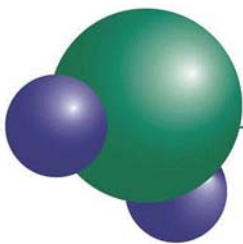
  
\_\_\_\_\_  
Diana Zavala/ Document Control Specialist

JAN 15 2019

01/15/19

*The aforementioned results on this report are representative of the samples submitted and may not be indicative of the entire manufacture, batch, and/or lot. Applicable current GMP's shall always be used when sampling. GLP's shall always be practiced by Micro Quality Labs to ensure the most accurate results.*

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## Analytical Report

January 10, 2019

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

Page 1 of 1  
WO Number: W19A0193

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

Customer PO: MH01042019  
Date Received: 1/7/2019  
Date Completed: 01/10/2019  
Discard Date: 01/24/2019

**CSL#: 19A0494 DHEA 10mg - Lot#: 44780 / 20181210@3**

Parameter	Result	PQL	Method	Date	Analyst
Arsenic	<0.050 ug/g	0.050	ICP MS	01/09/19	RBP
Cadmium	<0.050 ug/g	0.050	ICP MS	01/09/19	RBP
Lead	<0.050 ug/g	0.050	ICP MS	01/08/19	KMS
Mercury	<0.050 ug/g	0.050	ICP MS	01/09/19	RBP

**CSL#: 19A0494**

Parameter	Result	Serving Size	Unit Weight	Specification
Arsenic	<0.05 ug/g	1 Tablet	0.24 g	<0.50 ug/g
Cadmium	<0.05 ug/g	1 Tablet	0.24 g	<0.50 ug/g
Lead	<0.05 ug/g	1 Tablet	0.24 g	<0.50 ug/g
Mercury	<0.05 ug/g	1 Tablet	0.24 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 # MH01042019)  
**Report Issued To:** Allergy Research Group  
2300 North Loop  
Alameda, CA 94501  
**Contact:** Janice Vu

## Certificate of Analysis

**AEMTEK #: 1901212**

**Sampling Date:** 2019-01-04  
**Sample Received:** 2019-01-07  
**Analysis Started:** 2019-01-07  
**Analysis Performed By:** MM, JC  
**Report Issue Date:** 2019-01-10

Sample ID	Analyte	Aerobic Plate Count	Total Coliforms	Yeast	Mold	Escherichia coli	Salmonella	Staphylococcus aureus
3	DHEA 10 mg	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
<b>RESULTS</b>								
		<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.

N/A = Not Applicable or not analyzed

*Handwritten signature*