

Title: <b>Super D3 2000 IU, 60 Vegetarian Capsules</b>	
Allergy Research Group® / NutriCology®	
Document No.: 74840CA	Revision: 009

### Certificate of Analysis

<b>Part Number</b>	74840		
<b>Lot Number</b>	19956-1		
<b>Product Count &amp; Form</b>	60 vegetarian capsules		
<b>Packaging, Closure</b>	75 cc bottle, desiccant, rayon		
<b>Storage Condition</b>	Room Temperature		
<b>Shelf Life</b>	24 months	Expiration Date	05/21
<b>Label Number, Size</b>	74840L, A		
<b>Retain Sample</b>	2 bottles per label (4 bottles total)		

### ANALYSIS

#### Physical

Attribute	Method \ SOP	Specification	Test Result
Product Color, Size	SOP 515	Tan/beige, clear size "1"	Complies
Product Weight Variation	SOP 514	Meets USP <2091> 300 – 360 mg	Pass, 335 mg
Disintegration Time	SOP 522	Meets USP <2040>	Conform*

\*Per CMO's CofA

#### Purity \ Strength per Capsule

Active Ingredients	Label Claim	Release Limits	Test Result
Vitamin D3 (as Cholecalciferol)	2000 IU	100-150% LC by HPLC	2920IU
Vitamin C (as Ascorbyl Palmitate)	2 mg	100-150% LC by titration	100-150% LC by titration*
Vitamin E (as Mixed Tocopherols)	20 IU	100-150% LC by HPLC	100-150% LC by HPLC*
Tocotrienols	3 mg	100-150% LC by HPLC	100-150% LC by HPLC*

#### Other Ingredients

Hydroxypropyl methylcellulose, Rice Flour, Silicon Dioxide

\*Production and Process Control

#### Identification \ Chemical \ Heavy Metals

Attribute	Method / SOP	Specification	Test Result
Identity	Bulk Certificate of Analysis Review	Approved	Approved
Identity	Near Infrared Spectroscopy	Matches Reference	Complies
Arsenic (inorganic)	ICP-MS per USP <2232>	≤ 15 mcg/day Ψ	0.126ug/day
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, BQL-Below Quantitation Level, φ - Complies with California Proposition 65 Limits, \*Production and Process Control

Title: **Super D3 2000 IU, 60 Vegetarian Capsules**

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**Microbiology**

Attribute	Method \ SOP	Specification	Test Result
Total Aerobic Count	USP/ AOAC/ FDA BAM	$\leq 1 \times 10^4$ CFU/g	420 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:	08/06/19
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# Micro Quality Labs, Inc.

Specializing in Pharmaceutical, Dietary Supplements, Toys and Cosmetics Testing  
3125 N. Damon Way • Burbank, California 91505  
(818) 845-0070 • Fax: (818) 845-0030  
E-Mail: [Karine@MicroQualityLabs.com](mailto:Karine@MicroQualityLabs.com)



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

## ANALYTICAL/CHEMICAL CERTIFICATE OF ANALYSIS

Sample Name: **SUPER D3**  
Product Code: 44840  
Batch/Lot: 19E956  
MQL Accession: 190621-0308

PO#: MH06192019  
Sample Description: BULK  
Rush: 2-3 business days  
Received Date: 06/21/19

Test Requested:	Test Method:	Specification:	Results:
Vitamin D3	MLTMM-0508 By HPLC	NLT 2000 IU / cap	2920 IU / cap

Prepared By:

  
Kendra Hensley/Document Control Specialist

**JUN 28 2019**  
06/28/19

Reviewed By:

  
Raffie Avakian/Quality Assurance Reviewer

**JUN 28 2019**  
06/28/19

*Micro Quality Laboratories, Inc. (MQL), is an A2LA ISO 17025 accredited testing laboratory (Certificate Number 3034.01). The requirements of ISO 17025 were followed for the test, results and preparation of this certificate of analysis. MQL's scope of accreditation may be found on A2LA or MQL websites.*

*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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# 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 # MH06182019)  
**Report Issued To:** Allergy Research Group  
2300 North Loop  
Alameda, CA 94501  
**Contact:** Janice Vu

## Certificate of Analysis

**AEMTEK #: 1906818**

**Sampling Date:** 2019-06-18  
**Sample Received:** 2019-06-18  
**Analysis Started:** 2019-06-18  
**Analysis Performed By:** EM, JC, WY  
**Report Issue Date:** 2019-06-21

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						
	Super D3	420	<10	<10	<10	ND	ND	ND
	Lot #/Code	44840/ 19E956						

### 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

*6/11/19  
R*



## Analytical Report

June 24, 2019

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

Page 1 of 1  
WO Number: W19F0685

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

Customer PO: MH06192019  
Date Received: 6/20/2019  
Date Completed: 06/24/2019  
Discard Date: 07/08/2019

**CSL#: 19F1495 Super D3 - Lot#: 44840/19E956**

Parameter	Result	PQL	Method	Date	Analyst
Arsenic	0.37 ug/g	0.050	ICP MS	06/21/19	ARB
Cadmium	<0.050 ug/g	0.050	ICP MS	06/21/19	ARB
Lead	<0.050 ug/g	0.050	ICP MS	06/21/19	JTP
Mercury	<0.050 ug/g	0.050	ICP MS	06/21/19	ARB

**CSL#: 19F1495**

Parameter	Result	Serving Size	Unit Weight	Specification
Arsenic	0.37 ug/g	1 Capsule	0.34 g	<0.50 ug/g
Cadmium	<0.05 ug/g	1 Capsule	0.34 g	<0.50 ug/g
Lead	<0.05 ug/g	1 Capsule	0.34 g	<0.50 ug/g
Mercury	<0.05 ug/g	1 Capsule	0.34 g	<0.50 ug/g

Respectfully Submitted,  
Chemical Solutions, Ltd.

QA Representative

Notes:

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The units for the PQL are the same as those shown for the result.