

Title: CurcuWIN[®] 500, 60 Vegetarian Capsules	
Allergy Research Group* / NutriCology*	
Document No.: 77290CA	Revision: 001

Certificate of Analysis

Part Number	77290		
Lot Number	8226		
Product Count & Form	60 vegetarian capsules		
Packaging, Closure	150 cc bottle, desiccant, cotton		
Storage Condition	Room Temperature		
Shelf Life	24 months	Expiration Date	12/20
Label Number, Size	77290L, C		
Retain Sample	2 bottles total		

ANALYSIS

Physical

Attribute	Method / SOP	Specification	Test Result
Product Color, Size	SOP 515	Orange reddish, clear Veg Cap Size "00"	Complies
Product Weight	SOP 514	Meets USP <2091> Expected 600 – 750 mg	Pass, 693 mg†
Disintegration Time	SOP 522	Meet USP <2040>	Pass †

† Per CMO's CofA

Purity/Strength Per Capsule

Active Ingredients	Label Claim	Release Limits/ Test Method	Test Result
CucuWIN Turmeric (Curcuma longa) (Root) Extract (min 20% Curcuminoids)	500 mg (100 mg Curcuminoids)	100-150% LC by UPLC	118 mg (Curcuminoids)

Other ingredients

Hydroxypropyl methylcellulose, silicon dioxide, microcrystalline cellulose.

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

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Lead	ICP-MS per USP <2232>	≤ 10 mcg/day Ψ	BQL
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*Production and Process Control, Ψ – Permitted Daily Exposure, BQL= Below quantitation limit

Microbiology

Attribute	Method / SOP	Specification	Test Result
Total Aerobic Count	USP/ AOAC/ FDA BAM	≤ 1 x 10 ⁴ CFU/g	<10 CFU/g
Total Yeast & Mold	USP/ AOAC/ FDA BAM	≤ 1 x 10 ³ CFU/g	<10 CFU/g
Coliform	USP/ AOAC/ FDA BAM	≤ 1 x 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: 01/30/19
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Certificate of Analysis

Allergy Research Group

2300 North Loop Road
Alameda California 94502 United States

Sample Name:	CurcuWIN 500	Eurofins Sample:	8075200
Project ID	ALLER_RE_G-20190121-0004	Receipt Date	21-Jan-2019
PO Number	MH01172019	Receipt Condition	Ambient temperature
Sample Serving Size	1 Cap	Login Date	21-Jan-2019
Description	47290_L8226	Online Order	20

Analysis	Result
Calculated Sample Weight	
Entity Weight	0.6947 g
Entity Fill Weight	0.5602 g
Determination of Total Curcuminoids in Turmeric Products by UPLC	
Curcumin	96.7 mg/Serving Size
Desmethoxy Curcumin	18.9 mg/Serving Size
Bis-Desmethoxy Curcumin	2.65 mg/Serving Size
Total Curcuminoids	118 mg/Serving Size

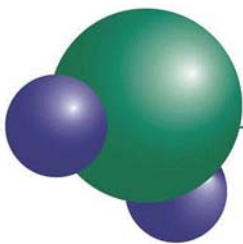
Method References	Testing Location
Calculated Sample Weight (PREP_BREA)	Food Integrity Innovation-Brea
Determination of Total Curcuminoids in Turmeric Products by UPLC (OC_CURC_S) Internally Developed Method	Food Integrity Innovation-Brea

Testing Location(s)	Released on Behalf of Eurofins by
Food Integrity Innovation-Brea	Robert Grahn - Manager

Eurofins Food Chemistry Testing US, Inc.
2951 Saturn Street
Unit C
Brea CA 92821
800-675-8375

Eurofins Food Integrity and Innovation accepts all liability for work conducted as of 01 Aug 2018.

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

January 23, 2019

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

Page 1 of 1
WO Number: W19A0739

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

Customer PO: MH01172019
Date Received: 1/18/2019
Date Completed: 01/23/2019
Discard Date: 02/06/2019

CSL#: 19A2162 CurcuWin 500 - Lot#: 47290/ L8226

Parameter	Result	PQL	Method	Date	Analyst
Arsenic	<0.050 ug/g	0.050	ICP MS	01/23/19	RBP
Cadmium	<0.050 ug/g	0.050	ICP MS	01/23/19	RBP
Lead	<0.050 ug/g	0.050	ICP MS	01/21/19	JTG
Mercury	<0.050 ug/g	0.050	ICP MS	01/23/19	RBP

CSL#: 19A2162

Parameter	Result	Serving Size	Unit Weight	Specification
Arsenic	<0.05 ug/g	1 Capsule	0.69 g	<0.50 ug/g
Cadmium	<0.05 ug/g	1 Capsule	0.69 g	<0.50 ug/g
Lead	<0.05 ug/g	1 Capsule	0.69 g	<0.50 ug/g
Mercury	<0.05 ug/g	1 Capsule	0.69 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.

466 Kato Terrace,
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 # MH01172019)
Report Issued To: Allergy Research Group
2300 North Loop
Alameda, CA 94501
Contact: Janice Vu

Certificate of Analysis

AEMTEK #: 1901846

Sampling Date: 2019-01-17
Sample Received: 2019-01-18
Analysis Started: 2019-01-18
Analysis Performed By: JC, MM, EL, FH
Report Issue Date: 2019-01-28

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						
	CurcuWIN 500	<10	<10	<10	<10	ND	ND	ND
	Lot #/Code	47290/ L8226						

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

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