

Title: **Polyphenol-C 500**

Allergy Research Group® / NutriCology®

Document No.: 77620CA

Revision: 001

Certificate of Analysis

Part Number	77620		
Lot Number	177531		
Product Count & Form	90 Vegetarian Capsules		
Packaging, Closure	200 cc bottle, desiccant, rayon/cotton		
Storage Condition	Room Temperature	Manufacture Date	10/2020
Shelf Life	24 months	Expiration Date	10/2022
Label Number, Size	77620L, F		
Retain Sample	1 bottle per label (2 bottles total)		

ANALYSIS

Physical

Attribute	Method / SOP	Specification	Test Result
Product Color, Size	QC011	Purple, Size "00", Clear, Capsule	Complies
Product Weight Variation	QC012	Meets USP <2091> (890-980mg)	Pass, 934 mg
Disintegration Time	QC018	Meets USP <2040>	Pass, 15 min. †

†Per CMO

Purity/Strength per capsule

Active Ingredients	Label Claim	Release Limits	Test Result
Vitamin C as (Ascorbic acid)	500 mg	100-150% LC by HPLC	549 mg/cap
Total Polyphenols	80 mg	100-150% LC by input	100-150% LC by input*

Other ingredients: stearic acid, silicon dioxide

*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 µg/day	0.028 µg/day
Cadmium	ICP-MS per USP <2232>	≤ 5 µg/day	0.018 µg/day
Mercury (total)	ICP-MS per USP <2232>	≤ 15 µg/day	0.003 µg/day
Lead	ICP-MS per USP <2232>	≤ 10 µg/day	0.100 µg/day

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 ⁴ CFU/g	<10 CFU/g
Coliform	USP/AOAC/ FDA BAM	≤ 1 x 10 ³ 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

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

Approval: 	Casey Van Wagoner 2020.12.02 15:50:41 -07'00'	Date: 02DEC2020
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Test Certificate

 Description: POLYPHENOL-C
 Sample ID: 87620
 Lot No: 177531
 Location:
 Received: 10/28/2020
 Completed: 11/4/2020

 Client: Allergy Research Group
 2300 S Main St
 Salt Lake City, UT 84115

Lab No: 205575-01

Analysis	Result	Per Unit	Specifications	Method
Gluten***	<5.0	ppm	Report	ELISA
Mercury	0.002	ug/g	< 0.5 ug/g	ICP-MS USP <730>
Lead	0.061	ug/g	< 0.5 ug/g	ICP-MS USP <730>
Arsenic	0.017	ug/g	< 0.5 ug/g	ICP-MS USP <730>
Cadmium	0.011	ug/g	< 0.5 ug/g	ICP-MS USP <730>
Nonfat Dried Milk (NFDM)**	<2.5	ppm	Report	ELISA
Total Aerobic Microbial Count	<10	CFU/g	<= 10,000 CFU/g	USP <2021>
Coliform	<10	CFU/g	<= 100 CFU/g	AOAC 991.14
E.Coli	Absent	per 10 grams	ABSENT	USP <2022>
Staphylococcus aureus	Absent	per 10 grams	ABSENT	USP <2022>
Salmonella	Absent	per 10 grams	ABSENT	USP <2022>
Total Yeast & Mold	<10	CFU/g	<= 1,000 CFU/g	USP <2021>
Yeast *	<10	CFU/g	<= 1,000 CFU/g	USP <2021>
Mold *	<10	CFU/g	<= 1,000 CFU/g	USP <2021>

* For informational purposes only.

***Limit of Quantification (LOQ) = 5.0 ppm

***Samples tested for gliadin. Gliadin results are multiplied by two (2) to obtain gluten results.

**Limit of Quantification (LOQ) = 2.5 ppm

THESE RESULTS APPLY ONLY TO THE SAMPLE SUBMITTED AND NOT TO THE PRODUCT FROM WHICH IT WAS TAKEN. THESE RESULTS ARE PROVIDED ONLY FOR THE BENEFIT OF CLIENT, WITHOUT REPRESENTATION OR WARRANTY OF ANY KIND, EXCEPT FOR THE EXPRESS LIMITED WARRANTY PROVIDED SOLELY TO CLIENT IN ADVANCED LABORATORIES' TERMS OF SERVICE.

THIS CERTIFICATE SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT WRITTEN APPROVAL FROM ADVANCED LABORATORIES.

Results Approved By:



Kristina Noll - Quality Technician

Dated:

11/4/2020

Printed: 11/4/2020 12:08:18 PM





Micro Quality Labs, Inc.

Specializing in Pharmaceutical, Dietary Supplements, Toys and Cosmetics Testing

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E-Mail: Karine@MicroQualityLabs.com

Customer: Allergy Research Group, LLC
Address: 2300 S. Main st
Salt Lake City, UT 84115

ANALYTICAL/CHEMICAL CERTIFICATE OF ANALYSIS

Sample Name: POLYPHENOL-C
Product Code: 87620
Batch/Lot: 177531
MLQ Accession: 201028-0126

PO#: 78223 - 1027
Sample Description: FG
Rush: N/A
Received Date: 10/28/20

Test Requested:	Test Method:	Specification:	Results:
Vitamin C	MLQTM-1383 By HPLC	NLT 500 mg/cap	549 mg/cap

Prepared By: 
Michelle Stuckey/Document Control Specialist

NOV 04 2020

11/04/20

Reviewed By: 
Esmeralda Arellano/Quality Assurance Assistant

NOV 04 2020

11/04/20

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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