

Title: **GLA Borage Oil, 1000 mg, 30 Softgels**

Allergy Research Group* / NutriCology*

Document No.: 71320CA

Revision: 008

Certificate of Analysis

Part Number	71320		
Lot Number	200741		
Product Count & Form	30 Softgels		
Packaging, Closure	100 cc bottle, desiccant		
Storage Condition	Room Temperature	Manufacture Date	09/2020
Shelf Life	48 months	Expiration Date	09/2023
Label Number, Size	71320L, C		
Retain Sample	3 bottles total		

ANALYSIS

Physical

Attribute	Method / SOP	Specification	Test Result
Product Color, Size	QC011	Oblong, Yellow, size "S3"	Complies
Product Weight	QC012	Meets USP <2091>: 1400 – 1850 mg	Pass, 1837.0 mg
Disintegration Time	QC018	Meets USP <2040>	Pass, 5 minutes

Purity/Strength per Softgel

Active Ingredients	Label Claim	Release Limits	Test Result
Borage Oil	1000 mg	100-150% LC by input	100-150% LC by input*
Gamma Linolenic Acid (C18: ω-6)	240 mg	100-150% LC by GC-FID	241 mg/softgel
Linoleic Acid (C18: ω-6)	380 mg	100-150% LC by GC-FID	426 mg/softgel

* 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 Spectrometry	Matches Reference	Complies
Arsenic (inorganic)	ICP-MS per USP <2232>	≤ 15 µg/day Ψ	BQL
Cadmium	ICP-MS per USP <2232>	≤ 5 µg/day Ψ	0.007
Mercury (total)	ICP-MS per USP <2232>	≤ 15 µg/day Ψ	0.007
Lead	ICP-MS per USP <2232>	≤ 10 µg/day Ψ	0.059

Ψ Permitted Daily Exposure, BQL – Below Quantifiable Level

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: 	Digitally signed by Kimberly Vennebush Date: 2020.11.23 09:57:33 -07'00'	Date: 23NOV2020
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If you liked our service, please tell a friend. If you didn't, please tell us!

Test Certificate

Description: Borage Oil
Sample ID: 41320
Lot No: VS200741
Location:
Received: 10/13/2020
Completed: 10/20/2020

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

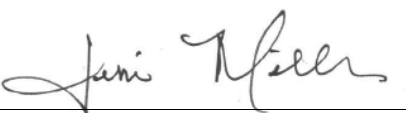
Lab No: 204744-02

Analysis	Result	Per Unit	Specifications	Method
Mercury	0.002	µg/g	< 0.5 µg/g	ICP-MS USP <730>
Lead	0.016	µg/g	< 0.5 µg/g	ICP-MS USP <730>
Arsenic	<0.001	µg/g	< 0.5 µg/g	ICP-MS USP <730>
Cadmium	0.002	µg/g	< 0.5 µg/g	ICP-MS USP <730>
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.

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: 
Jeni Miller-Administrative Assistant

Dated: 10/20/2020

Printed: 10/20/2020 4:52:46 PM





Micro Quality Labs, Inc.

Specializing in Pharmaceutical, Dietary Supplements, Toys and Cosmetics Testing

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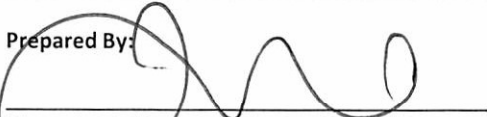
ANALYTICAL/CHEMICAL CERTIFICATE OF ANALYSIS

Sample Name: BORAGE OIL
Product Code: 41320
Batch/Lot: VS200741
MQL Accession: 201013-0171

PO#: 78223-1012
Sample Description: BULK
Rush: N/A
Received Date: 10/13/20

Test Requested:	Test Method:	Specification:	Results:
Linolenic Acid	MQLTM-0201 By GC-FID	NLT 380 mg/softgel	426 mg/softgel
Gamma Linoleic Acid (GLA)	MQLTM-0201 By GC-FID	NLT 240 mg/softgel	241 mg/softgel


Prepared By:


Diana Zavala/Document Control Specialist

OCT 19 2020

10/19/20

Reviewed By:


Esme Arellano/QA Assistant

OCT 19 2020

10/19/20

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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