



1376 Miners Dr., Ste. 101, Lafayette, CO 80026  
 P: 303-531-0861 E: support@quicksilverscientific.com

## PRODUCT SPECIFICATION AND CERTIFICATE OF ANALYSIS

Document #	FP.080	Rev. 2	Effective Date 04/29/2020
Product Code#	QSAMS01		
<b>MICROB-MANAGER™</b>			

<b>Lot Number:</b>	AMS2002/1
<b>Manufacturing Date:</b>	05/2020
<b>Bottle Size:</b>	60 Soft-gel Capsules
<b>Storage Recommendation:</b>	Room Temperature
<b>Shelf Life / EXP Date:</b>	Freshness is commonly maintained two years from manufacturing date

### Final Product Tests

Test Performed	Method	Specification	Result	Pass/Fail
Aerobic Plate Count	USP2021	≤ 10 <sup>5</sup> cfu/mL	Conforms	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Coliforms	AOAC 991.14	≤ 100cfu/mL	Conforms	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
<i>E. Coli</i>	USP2022	Absent	Conforms	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
<i>Staph aureus</i>	USP2022	Absent	Conforms	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Yeast/Mold	USP2021	≤ 1000cfu/mL	Conforms	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Salmonella	USP2022	Absent	Conforms	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
<i>Pseudo. aeruginosa</i>	mUSP62	Absent	Conforms	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Arsenic	ICPMS	≤ 2ppm	Conforms	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Cadmium	ICPMS	≤ 2ppm	Conforms	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Lead	ICPMS	≤ 1ppm	Conforms	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Mercury	ICPMS	≤ 1ppm	Conforms	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Liposome size	DLS	20nm – 70nm	Conforms	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Cannabidiol	HPLC or LC/MS/MS	≥ 4 mg/2 Capsules	5.01mg/capsules	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
THC	LC/MS/MS or HPLC	≤ 0.01%	0.01%	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Curcuminoids	HPLC	≥ 15 mg/2 Capsules	22mg/mL	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Berberine	HPLC	≥ 10 mg/2 Capsules	10.5mg/mL	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail



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Product Code#	QSAMS01		
<b>MICROB-MANAGER™</b>			

\*100% label claim at the time of manufacture

\*\* Residual Solvents and Pesticides testing performed annually

**NOTES:**

Total Batch Size: 122.5L

Bottles Produced: 1268

Product Description: Self Emulsifying Delivery System hemp capsule. 4mg cannabinoids per serving.

Ingredient	Manufacturer	Lot Number
Broad Spectrum Hemp Extract	Domestic CBD	190049
Broad Spectrum Hemp Extract		
Broad Spectrum Hemp Extract		

Released:

Quality Assurance:

*Janet Boder*

Date: 06/18/2020



**IEH**  
Laboratories &  
Consulting Group

# CERTIFICATE OF ANALYSIS

## Quicksilver Scientific

Contact: Jena Murray  
1376 Miners Dr. Ste 101  
Lafayette, CO 80026  
Phone: 3035310861

**IEH Laboratories & Consulting Group**  
IEH-Lake Forest Park  
15300 Bothell Way NE  
Lake Forest Park, WA 98155  
Phone: 206-522-5432 Fax: 206-524-4639  
www.iehinc.com

**TRADE SECRET / CONFIDENTIAL COMMERCIAL INFORMATION**

<b>Contact:</b>	<b>Sales Order #</b>
<b>Phone:</b>	<b>Purchase Order #</b> lipo
<b>Fax:</b>	
<b>WO: 1145120</b>	<b>Report No: LFP-204258</b>
<b>Lab &amp; Cust. Sample Id</b>	<b>Samples Received: 10/1/2019</b>
<b>Description / Method / Result</b>	<b>Report Date: 10/2/2019</b>

**1145120-001 (AMS1901/1)** supplement Microb-Manager

Analysis Date: 10/1/2019

Almond Protein Allergen	Not Detected	ppm
Brazil Nut Protein Lateral Flow	Not Detected	/ppm
Buckwheat Protein Allergen	Not Detected	ppm
Cashew Protein Lateral Flow	Not Detected	/ppm
Celery Specific DNA Test	Not Detected	
Coconut Protein Lateral Flow	Not Detected	/ppm
Crustacean Protein Allergen	Not Detected	ppm
Egg Protein Allergen	Not Detected	ppm
Fish Specific DNA Test	Not Detected	
Gluten Allergen	Not Detected	ppm
Hazelnut Protein Allergen	Not Detected	ppm
Lupin Residue	Not Detected	ppm
Macadamia Protein Lateral Flow	Not Detected	/ppm
Mustard Protein Allergen	Not Detected	ppm
Peanut Protein Allergen	Not Detected	ppm

UNLESS OTHERWISE NOTED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION. THE RESULT(S) IN THIS REPORT RELATE ONLY TO THE PORTION OF THE SAMPLE(S) TESTED. THIS REPORT DOES NOT CONSTITUTE A RELEASE OF PRODUCT FOR CONSUMPTION. THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT WRITTEN APPROVAL OF THE LABORATORY. THIS DOCUMENT CONTAINS CONFIDENTIAL COMMERCIAL INFORMATION PURSUANT TO 5 U.S.C. SEC. 552(b)(4).

*Mahzad A. Meshgi*  
**Authorized Analyst: Mahzad Meshgi, Ph.D.**



**IEH**  
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Consulting Group

# CERTIFICATE OF ANALYSIS

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<b>WO: 1145120</b>	<b>Report No: LFP-204258</b>
<b>Lab &amp; Cust. Sample Id</b>	<b>Samples Received: 10/1/2019</b>
<b>Description / Method / Result</b>	<b>Report Date: 10/2/2019</b>

Lab & Cust. Sample Id	Description / Method / Result	Result
Pine Nut Protein Lateral Flow		Not Detected /ppm
Pistachio Specific DNA Test		Not Detected
Sesame Seed Protein Allergen		Not Detected ppm
Soy Protein Allergen		Not Detected ppm
Total Milk Protein		Not Detected ppm
Walnut/Pecan Specific DNA Test		Not Detected /ppm

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*Mahzad A Meshgi*  
Authorized Analyst: Mahzad Meshgi, Ph.D.

May 14, 2020

**QUICKSILVER SCIENTIFIC**

Attn: Erin Bingham  
1376 Miners Drive Suite 101  
Lafayette, CO 80026

Order No. 513315  
Sample No. 1050397

**SAMPLE INFORMATION**

**Description** Anti-Microbial Sedds  
**Lot Number** AMS2001  
**Category (Type)** Orally Consumed Concentrate (Tincture)  
**Received** May 11, 2020

**ANALYTICAL RESULTS**

**Analysis** Cannabinoid Profile  
**Instrument** Liquid Chromatography Tandem Mass Spectrometry (LC/MS/MS)  
**Method** MF12D012  
**Analysis Date** May 11, 2020 to May 14, 2020

Analyte	mg/g	%	Status
Δ8-THC	-	-	-
Δ9-THC	0.87	0.087	-
Δ9-THCA	ND	ND	-
THCV	-	-	-
CBD	4.89	0.489	-
CBDA	ND	ND	-
CBC	ND	ND	-
CBCA	-	-	-
CBDV	-	-	-
CBG	ND	ND	-
CBGA	-	-	-
CBN	ND	ND	-
Total THC	0.87	0.087	-
Total CBD	4.89	0.489	-
Total Cannabinoids	5.76	0.576	-
Total Active Cannabinoids	5.76	0.576	-

THC and THCA tested to LOD of 3 ppm, LOQ of 10 ppm.

**Comments**

All other analytes tested to LOD of 0.4 mg/g, and LOQ of 1 mg/g

Reported by  
**Anresco, Inc.**

Limit of Quantitation: 0.010 mg/g  
Limit of Detection: 0.003 mg/g  
ND = None Detected  
<LOQ = Below Limit of Quantitation  
<LOD = Below Limit of Detection




George Wharam  
Analyst

May 14, 2020



2600 North Main St.  
 Spanish Fork, UT 84660  
 (801) 210-2084

Report Number: 200505 014-03  
 Date Reported: 5/8/2020

**Sample Details**

Product #: Microb-Manager  
 Description: Microb-Manager  
 Lot #: AMS2002  
 Received: 5/5/2020 3:32:20 PM  
 Sample Details:

**Customer Information**

Quicksilver Scientific, LLC  
 1376 Miners Dr #101  
 Lafayette, CO 80026

**Certificate of Analysis**

Chemistry	Method	Specifications	Result	Units
<b>Botanicals and Nutraceuticals</b>				
Bisdemethoxycurcumin	WI.HPLC.381.01		3.364	mg/serving
Berberine	USP41-NF36 - 4684	> 10	10.497	mg/serving
Curcumin	WI.HPLC.381.01		13.728	mg/serving
Demethoxycurcumin	WI.HPLC.381.01		4.759	mg/serving
Total Curcuminoids	WI.HPLC.381.01	> 15	21.852	mg/serving
<b>Physical</b>				
<b>Physical</b>				
Serving Size	SNL.MA.210		1.00	mL
Specific Gravity	SNL.USP.841.01		1.076	g/mL

Report Approved by:   
 Joel Nelson  
 Laboratory Manager

\*= Please review Client Specifications  
 Report Numbers that have been revised or amended will include a revision number.

This Report is provided for the exclusive use of the addressee. Summit accepts no responsibility/liability except for the due performance of inspection and/or analysis in good faith.

May 11, 2020

**QUICKSILVER SCIENTIFIC**

Attn: Erin Bingham  
1376 Miners Drive Suite 101  
Lafayette, CO 80026

Order No. 513254  
Sample No. 1050237

**SAMPLE INFORMATION**

**Description** Microb-manager (bulk)  
**Lot Number** AMS2002  
**Category (Type)** Concentrate (Tincture)  
**Received** May 05, 2020

**ANALYTICAL RESULTS**

**Analysis** Cannabinoid Profile  
**Instrument** Liquid Chromatography Tandem Mass Spectrometry (LC/MS/MS)  
**Method** MF12D012  
**Analysis Date** May 05, 2020 to May 11, 2020

Analyte	mg/g	%	Status
Δ8-THC	-	-	-
Δ9-THC	0.057	0.0057	-
Δ9-THCA	ND	ND	-
THCV	-	-	-
CBD	5.01	0.501	-
CBDA	ND	ND	-
CBC	ND	ND	-
CBCA	-	-	-
CBDV	-	-	-
CBG	ND	ND	-
CBGA	-	-	-
CBN	ND	ND	-
Total THC	0.057	0.0057	-
Total CBD	5.01	0.501	-
Total Cannabinoids	5.067	0.5067	-
Total Active Cannabinoids	5.067	0.5067	-

THC tested to LOD of 0.005 mg/g, LOQ 0.020 mg/g.

**Comments**

All other analytes tested to LOD of 0.4 mg/g, LOQ 1 mg/g.

Reported by  
**Anresco, Inc.**




George Wharam  
Analyst

May 11, 2020

Limit of Quantitation: 0.020 mg/g  
Limit of Detection: 0.005 mg/g  
ND = None Detected  
<LOQ = Below Limit of Quantitation  
<LOD = Below Limit of Detection

May 18, 2020

**QUICKSILVER SCIENTIFIC**

Attn: Erin Bingham  
1376 Miners Drive Suite 101  
Lafayette, CO 80026

Order No. 513315  
Sample No. 1050397

**SAMPLE INFORMATION**

**Description** Anti-Microbial Sedds  
**Lot Number** AMS2002  
**Category (Type)** Orally Consumed Concentrate (Tincture)  
**Received** May 11, 2020

**ANALYTICAL RESULTS**

**Analysis** Cannabinoid Profile  
**Instrument** Liquid Chromatography Tandem Mass Spectrometry (LC/MS/MS)  
**Method** MF12D012  
**Analysis Date** May 11, 2020 to May 18, 2020

Analyte	mg/g	%	mg/ml	Status
Δ8-THC	-	-	-	-
Δ9-THC	0.87	0.087	0.87	-
Δ9-THCA	ND	ND	ND	-
THCV	-	-	-	-
CBD	4.89	0.489	4.89	-
CBDA	ND	ND	ND	-
CBC	ND	ND	ND	-
CBCA	-	-	-	-
CBDV	-	-	-	-
CBG	ND	ND	ND	-
CBGA	-	-	-	-
CBN	ND	ND	ND	-
Total THC	0.87	0.087	0.87	-
Total CBD	4.89	0.489	4.89	-
Total Cannabinoids	5.76	0.576	5.75	-
Total Active Cannabinoids	5.76	0.576	5.75	-
<b>g/ml Conversion Factor</b>	0.9986			

THC and THCA tested to LOD of 3 ppm, LOQ of 10 ppm.

**Comments**

All other analytes tested to LOD of 0.4 mg/g, and LOQ of 1 mg/g

Reported by  
**Anresco, Inc.**



Eric Tam  
Senior Chemist

May 18, 2020

Limit of Quantitation: 0.010 mg/g  
Limit of Detection: 0.003 mg/g  
ND = None Detected  
<LOQ = Below Limit of Quantitation  
<LOD = Below Limit of Detection





40 West Louise Ave., Salt Lake City, UT 84115  
 Phone: (801) 485-1800 Fax: (801) 484-9211  
 Email: utlab@advancedlabsinc.com  
**FDA Registration #14353128308**

If you liked our service, please tell a friend. If you didn't, please tell us!

## Test Certificate

Description: Anti-Microbial Sedds  
 Sample ID:  
 Lot No: AMS2002  
 Location:  
 Received: 5/7/2020  
 Completed: 5/14/2020

Client: Quicksilver Scientific  
 1376 Miners Drive  
 Suite 103  
 Lafayette, CO 80026

Lab No: 195676-01

Analysis	Result	Per Unit	Specifications	Method
Mercury	< 0.001	ppm	Report	ICP-MS USP <730>
Lead	0.032	ppm	Report	ICP-MS USP <730>
Arsenic	< 0.001	ppm	Report	ICP-MS USP <730>
Cadmium	0.008	ppm	Report	ICP-MS USP <730>

**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: 5/14/2020

Printed: 5/14/2020 4:37:05 PM



If you liked our service, please tell a friend. If you didn't, please tell us!

## Test Certificate

Description: Anti-Microbial Sedds  
Sample ID:  
Lot No: AMS2002  
Location:  
Received: 5/7/2020  
Completed: 5/14/2020

Client: Quicksilver Scientific  
1376 Miners Drive  
Suite 103  
Lafayette, CO 80026

Lab No: 195673-01

<b>Analysis</b>	<b>Result</b>	<b>Per Unit</b>	<b>Specifications</b>	<b>Method</b>
Total Aerobic Microbial Count	<10	CFU/g	Report	USP <2021>
Coliform	<10	CFU/g	Report	AOAC 991.14
E Coli	Absent	per 10 grams	Report	USP <2022>
Salmonella	Absent	per 10 grams	Report	USP <2022>
Staphylococcus aureus	Absent	per 10 grams	Report	USP <2022>
Total Yeast & Mold	<10	CFU/g	Report	USP <2021>
Pseudomonas	Absent	per 10 grams	Report	USP <62>

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Results Approved By:



Kristina Noll - Quality Technician

Dated:

5/14/2020

Printed: 5/14/2020 2:38:18 PM



June 15, 2020

**QUICKSILVER SCIENTIFIC**

Attn: Erin Bingham  
1376 Miners Drive Suite 101  
Lafayette, CO 80026

Order No. 513822  
Sample No. 1051775

**SAMPLE INFORMATION**

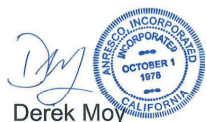
**Description** Microb-Manager  
**Lot Number** AMS2002/1  
**Category (Type)** Other (Capsule)  
**Received** June 10, 2020

**ANALYTICAL RESULTS**

**Analysis** Cannabinoid Profile  
**Instrument** Liquid Chromatography Tandem Mass Spectrometry (LC/MS/MS)  
**Method** MF12D012  
**Analysis Date** June 10, 2020 to June 15, 2020

Analyte	mg/g	%	mg/serving	Status
Δ8-THC	-	-	-	-
Δ9-THC	0.0596	0.00596	0.0297	-
Δ9-THCA	<LOQ (0.0075)	<LOQ (0.00075)	0.0037	-
THCV	-	-	-	-
CBD	4.9478	0.49478	2.4649	-
CBDA	ND	ND	ND	-
CBC	ND	ND	ND	-
CBCA	-	-	-	-
CBDV	-	-	-	-
CBG	ND	ND	ND	-
CBGA	-	-	-	-
CBN	ND	ND	ND	-
Total THC	0.067	0.0067	0.0334	-
Total CBD	4.9478	0.49478	2.4649	-
Total Cannabinoids	5.0148	0.50148	2.4983	-
Total Active Cannabinoids	5.0139	0.50139	2.4978	-
<b>Measured Serving Weight (g)</b>	0.49818			

Reported by  
**Anresco, Inc.**



Derek Moy  
Analyst

June 15, 2020

Limit of Quantitation: 0.010 mg/g  
Limit of Detection: 0.004 mg/g  
ND = None Detected  
<LOQ = Below Limit of Quantitation  
<LOD = Below Limit of Detection

June 15, 2020

**QUICKSILVER SCIENTIFIC**


Attn: Erin Bingham  
1376 Miners Drive Suite 101  
Lafayette, CO 80026

Order No. 513822  
Sample No. 1051775

## SAMPLE INFORMATION

Description Microb-Manager  
Lot Number AMS2002/1  
Category (Type) Other (Capsule)  
Received June 10, 2020

## ANALYTICAL RESULTS

Analysis Heavy Metal Screen  Pass  
Instrument ICP-MS  
Method MF 24E020  
Analysis Date June 10, 2020 to June 15, 2020

Analyte	LOD / LOQ (µg/g)	Findings (µg/g)	Limit (µg/g)	Status
Arsenic	0.02/0.05	<LOQ	1.5	Pass
Cadmium	0.02/0.05	ND	0.5	Pass
Lead	0.02/0.05	0.06	0.5	Pass
Mercury	0.02/0.05	ND	3.0	Pass

Reported by  
**Anresco, Inc.**



Eric Tam  
Senior Chemist

June 15, 2020

ND = None Detected  
<LOQ = Below Limit of Quantitation  
<LOD = Below Limit of Detection

June 15, 2020

**QUICKSILVER SCIENTIFIC**  
Attn: Erin Bingham  
1376 Miners Drive Suite 101  
Lafayette, CO 80026

Order No. 513822  
Sample No. 1051775

## SAMPLE INFORMATION

Description                      Microb-Manager  
Lot Number                        AMS2002/1  
Category (Type)                 Other (Capsule)  
Received                          June 10, 2020

## ANALYTICAL RESULTS

Analysis Date                    June 10, 2020 to June 15, 2020

Analyte	Method	Finding	Units
Standard Plate Count	FDA BAM	<10	cfu/g
Yeast	AOAC 2014.05	<10	cfu/g
Mold	AOAC 2014.05	<10	cfu/g
Coliforms	FDA BAM - ECC AGAR	<10	cfu/g
Escherichia Coli	FDA BAM - ECC AGAR	<10	cfu/g

Reported by  
**Anresco, Inc.**


Allen Zhu  
Analyst

June 15, 2020

June 15, 2020

**QUICKSILVER SCIENTIFIC**

Attn: Erin Bingham  
1376 Miners Drive Suite 101  
Lafayette, CO 80026

Order No. 513822  
Sample No. 1051775

## SAMPLE INFORMATION

**Description** Microb-Manager  
**Lot Number** AMS2002/1  
**Category (Type)** Other (Capsule)  
**Received** June 10, 2020

## ANALYTICAL RESULTS

**Instrument** Liquid Chromatography Tandem Mass Spectrometry (LC-MS/MS) & Gas Chromatography Tandem Mass Spectrometry (GC-MS/MS)  
**Analysis Date** June 10, 2020 to June 15, 2020

Analyte	LOD / LOQ	Finding	Limit	Units	Status
Aflatoxin B1	1/5	ND	-	µg/kg	-
Aflatoxin B2	1/5	ND	-	µg/kg	-
Aflatoxin G1	1/5	ND	-	µg/kg	-
Aflatoxin G2	1/5	ND	-	µg/kg	-
Total Aflatoxins	10/20	ND	20	µg/kg	Pass
Ochratoxin A	10/20	ND	20	µg/kg	Pass

Reported by  
**Anresco, Inc.**



Eric Tam  
Senior Chemist

June 15, 2020

June 15, 2020

**QUICKSILVER SCIENTIFIC**

Attn: Erin Bingham  
1376 Miners Drive Suite 101  
Lafayette, CO 80026

Order No. 513822  
Sample No. 1051775

**SAMPLE INFORMATION**

**Description** Microb-Manager  
**Lot Number** AMS2002/1  
**Category (Type)** Other (Capsule)  
**Received** June 10, 2020

**ANALYTICAL RESULTS**

**Analysis** Residual Solvent Screen ✔ Pass  
**Instrument** Gas Chromatography Mass Spectrometry (GC/MS)  
**Method** USP OVI<467>  
**Analysis Date** June 10, 2020 to June 15, 2020

Analyte	LOD / LOQ (µg/g)	Findings (µg/g)	Limit (µg/g)	Status
1,2-Dichloroethane	0.10/1.00	ND	1.0	Pass
Acetone	11/150	ND	5000	Pass
Acetonitrile	1/12	ND	410	Pass
Benzene	0.10/1.00	ND	1.0	Pass
n-Butane	130/400	ND	5000	Pass
Chloroform	0.10/1.00	ND	1.0	Pass
Ethanol	13/200	258	5000	Pass
Ethyl Acetate	5/80	158	5000	Pass
Ethyl Ether	17/50	ND	5000	Pass
Ethylene Oxide	0.50/1.00	ND	1.0	Pass
n-Heptane	15/100	ND	5000	Pass
n-Hexane	2/10	ND	290	Pass
Isopropyl Alcohol	5/100	ND	5000	Pass
Methanol	3/50	ND	3000	Pass
Methylene Chloride	0.50/1.00	ND	1.0	Pass
n-Pentane	26/150	ND	5000	Pass
Propane	170/510	ND	5000	Pass
Toluene	2/30	<LOQ	890	Pass
Total Xylenes	5/90	ND	2170	Pass
Trichloroethylene	0.10/1.00	ND	1.0	Pass

Reported by  
**Anresco, Inc.**

ND = None Detected  
<LOQ = Below Limit of Quantitation  
<LOD = Below Limit of Detection




Darryl Cudia  
Analyst

June 15, 2020



# CERTIFICATE OF ANALYSIS

## Quicksilver Scientific

Contact: Jena Murray  
1376 Miners Dr. Ste 101  
Lafayette, CO 80026  
Phone: 3035310861

IEH Laboratories & Consulting Group  
IEH-Lake Forest Park  
15300 Bothell Way NE  
Lake Forest Park, WA 98155  
Phone: 206-522-5432 Fax: 206-524-4639  
www.iehinc.com

IEH  
Laboratories &  
Consulting Group

### TRADE SECRET / CONFIDENTIAL COMMERCIAL INFORMATION

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<b>Phone:</b>	<b>Purchase Order #</b> lipo
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<b>WO: 1145120</b>	<b>Report No: LFP-204258</b>
<b>Lab &amp; Cust. Sample Id</b>	<b>Samples Received: 10/1/2019</b>
<b>Description / Method / Result</b>	<b>Report Date: 10/2/2019</b>

**1145120-001 (AMS1901/1)** supplement Microb-Manager  
Analysis Date: 10/1/2019

Almond Protein Allergen	Not Detected	ppm
Brazil Nut Protein Lateral Flow	Not Detected	/ppm
Buckwheat Protein Allergen	Not Detected	ppm
Cashew Protein Lateral Flow	Not Detected	/ppm
Celery Specific DNA Test	Not Detected	
Coconut Protein Lateral Flow	Not Detected	/ppm
Crustacean Protein Allergen	Not Detected	ppm
Egg Protein Allergen	Not Detected	ppm
Fish Specific DNA Test	Not Detected	
Gluten Allergen	Not Detected	ppm
Hazelnut Protein Allergen	Not Detected	ppm
Lupin Residue	Not Detected	ppm
Macadamia Protein Lateral Flow	Not Detected	/ppm
Mustard Protein Allergen	Not Detected	ppm
Peanut Protein Allergen	Not Detected	ppm

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*Mahzad Meshgi*  
Mahzad Meshgi

Authorized Analyst: Mahzad Meshgi, Ph.D.





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<b>Phone:</b>	<b>Purchase Order #</b> lipo
<b>Fax:</b>	
<b>WO: 1145120</b>	<b>Report No: LFP-204258</b>
<b>Lab &amp; Cust. Sample Id</b>	<b>Samples Received: 10/1/2019</b>
<b>Description / Method / Result</b>	<b>Report Date: 10/2/2019</b>

Lab & Cust. Sample Id	Description / Method / Result	Result
Pine Nut Protein Lateral Flow		Not Detected /ppm
Pistachio Specific DNA Test		Not Detected
Sesame Seed Protein Allergen		Not Detected ppm
Soy Protein Allergen		Not Detected ppm
Total Milk Protein		Not Detected ppm
Walnut/Pecan Specific DNA Test		Not Detected /ppm

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<b>Phone:</b>		<b>Purchase Order # lipo</b>	
WO: 1910998		<b>Samples Received:</b> 11/19/2019 <b>Report Date:</b> 11/29/2019 <b>Report No:</b> WAL-133002	

Sample ID#	Test Date	Coll. Date	Form	Type	Description	Sulfite (ppm)	Sulfur Dioxide (ppm)
19CH-1910998-43951	11/19/2019	11/18/2019	Finished Goods	Product	CBD Synergies - PN / AIS1901/2	<10	<10
19CH-1910998-43952	11/19/2019	11/18/2019	Liquid	Product	CBD Synergies - SP / CBSSP1901/2	<10	<10
19CH-1910998-43953	11/19/2019	11/18/2019	Liquid	Product	CBD Synergies - AX / CBSAX1901/2	<10	<10
19CH-1910998-43954	11/19/2019	11/18/2019	Finished Goods	Product	Microb-Manager - AIS1901/1	<10	<10
19CH-1910998-43955	11/19/2019	11/18/2019	Liquid	Product	Full Spectrum Hemp Extract / FSHO1902/1	<10	<10
19CH-1910998-43956	11/19/2019	11/18/2019	Liquid	Product	Broad Spectrum Hemp Extract / BSHO1902/4	<10	<10

Test Method: Sulfite = Sulfite - Mod. Monier-Williams AOAC 990.28, Sulfur Dioxide = Sulfur Dioxide AOAC 990.28

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Authorized Analyst: Melanie Carwin President



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TRADE SECRET / CONFIDENTIAL COMMERCIAL INFORMATION

Contact:  
 Phone:

Sales Order # ,  
 Purchase Order # lipo

WO: 1146298

Samples Received: 10/23/2019 Report Date: 10/24/2019 Report No: LFP-205537

Lab Sample No	Customer Sample ID	Sample Desc	Customer Comments	GMO
1146298-001	CBSAX190/2	Supplement	CBD Synergies - AX	Not Detected
1146298-002	CBSSP1901/2	Supplement	CBD Synergies - SP	Not Detected
1146298-003	AIS1901/1	Capsule	CBD Synergies - PN	Not Detected
1146298-004	AMS1901/1	Capsule	Microb-Manager	Not Detected

Test Method: GMO = GMO MB541, MB544 (PCR Analysis)

**Note** This sample was tested for the CaMV 35s promoter, FMV promoter, and NOS terminator. Sufficiently intact DNA was extracted from the sample for valid PCR analysis. Method Detection Limit (MDL) is 0.01%.

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Authorized Analyst: Kristina Tenney