



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

PRODUCT SPECIFICATION AND CERTIFICATE OF ANALYSIS

Document #	FP.004	Rev. 5	Effective Date 03/06/2020
Product Code#	QSFSHO01		
NANOEMULSIFIED FULL SPECTRUM HEMP EXTRACT 400			

Lot Number:	FHSO2002/1
Manufacturing Date:	04/2020
Bottle Size:	50 mL
Storage Recommendation:	Room Temperature
Shelf Life / EXP Date:	EXP:04/2022

Final Product Tests

Test Performed	Method	Specification	Result	Pass/Fail
Aerobic Plate Count	USP2021	$\leq 10^5$ cfu/mL	Conforms	☒ Pass ☐ Fail
Coliforms	AOAC 991.14	≤ 100 cfu/mL	Conforms	☒ Pass ☐ Fail
E. Coli	USP2022	Absent	Conforms	☒ Pass ☐ Fail
Staph aureus	USP2022	Absent	Conforms	☒ Pass ☐ Fail
Yeast/Mold	USP2021	≤ 1000 cfu/mL	Conforms	☒ Pass ☐ Fail
Salmonella	USP2022	Absent	Conforms	☒ Pass ☐ Fail
Pseudo. aeruginosa	mUSP62	Absent	Conforms	☒ Pass ☐ Fail
Arsenic	ICPMS	≤ 2 ppm	Conforms	☒ Pass ☐ Fail
Cadmium	ICPMS	≤ 2 ppm	Conforms	☒ Pass ☐ Fail
Lead	ICPMS	≤ 1 ppm	Conforms	☒ Pass ☐ Fail
Mercury	ICPMS	≤ 1 ppm	Conforms	☒ Pass ☐ Fail
Liposome size	DLS	10 nm– 50 nm	Conforms	☒ Pass ☐ Fail
THC	LC/MS/MS or HPLC	$\leq 0.3\%$	Not detected	☒ Pass ☐ Fail
Cannabidiol	LC/MS/MS or HPLC	≥ 16 mg/2 mL	19.38mg/mL	☒ Pass ☐ Fail
CBDV	LC/MS/MS or HPLC	For Information Only	Not detected	☒ Pass ☐ Fail

PRODUCT SPECIFICATION AND CERTIFICATE OF ANALYSIS

Document #	FP.004	Rev. 5	Effective Date 03/06/2020
Product Code#	QSFSHO01		
NANOEMULSIFIED FULL SPECTRUM HEMP EXTRACT 400			

Test Performed	Method	Specification	Result	Pass/Fail
CBDA	LC/MS/MS or HPLC	For Information Only	Not detected	☒ Pass ☐ Fail
CBG	LC/MS/MS or HPLC	For Information Only	.30mg/2mL	☒ Pass ☐ Fail
CBN	LC/MS/MS or HPLC	For Information Only	0.1mg/2mL	☒ Pass ☐ Fail
CBC	LC/MS/MS or HPLC	For Information Only	.94mg/2ml	☒ Pass ☐ Fail
α -Pinene	GC/MS or GC-FID	For Information Only	0.02%	☒ Pass ☐ Fail
Isopulegol	GC/MS or GC-FID	For Information Only	Not detected	☒ Pass ☐ Fail
Camphene	GC/MS or GC-FID	For Information Only	Not detected	☒ Pass ☐ Fail
Menthol	GC/MS or GC-FID	For Information Only	Not detected	☒ Pass ☐ Fail
β -Myrcene	GC/MS or GC-FID	For Information Only	0.02%	☒ Pass ☐ Fail
(-)-Borneol	GC/MS or GC-FID	For Information Only	Not detected	☒ Pass ☐ Fail
β -Pinene	GC/MS or GC-FID	For Information Only	0.13%	☒ Pass ☐ Fail
Terpineol	GC/MS or GC-FID	For Information Only	Not detected	☒ Pass ☐ Fail
δ -3-Carene	GC/MS or GC-FID	For Information Only	Not detected	☒ Pass ☐ Fail
Citronellol	GC/MS or GC-FID	For Information Only	Not detected	☒ Pass ☐ Fail
Limonene	GC/MS or GC-FID	For Information Only	1.49%	☒ Pass ☐ Fail
Geraniol	GC/MS or GC-FID	For Information Only	Not detected	☒ Pass ☐ Fail
α -Terpinene	GC/MS or GC-FID	For Information Only	Not detected	☒ Pass ☐ Fail
β -Caryophyllene	GC/MS or GC-FID	For Information Only	Not detected	☒ Pass ☐ Fail
trans-beta-Ocimene	GC/MS or GC-FID	For Information Only	Not detected	☒ Pass ☐ Fail
α -Humulene	GC/MS or GC-FID	For Information Only	0.05%	☒ Pass ☐ Fail



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

PRODUCT SPECIFICATION AND CERTIFICATE OF ANALYSIS

Document #	FP.004	Rev. 5	Effective Date 03/06/2020
Product Code#	QSFSHO01		
NANOEMULSIFIED FULL SPECTRUM HEMP EXTRACT 400			

Test Performed	Method	Specification	Result	Pass/Fail
cis-beta-Ocimene	GC/MS or GC-FID	For Information Only	Not detected	☒ Pass ☐ Fail
cis-Nerolidol	GC/MS or GC-FID	For Information Only	Not detected	☒ Pass ☐ Fail
p-Cymene	GC/MS or GC-FID	For Information Only	Not detected	☒ Pass ☐ Fail
trans-Nerolidol	GC/MS or GC-FID	For Information Only	Not detected	☒ Pass ☐ Fail
Eucalyptol	GC/MS or GC-FID	For Information Only	Not detected	☒ Pass ☐ Fail
Guaial	GC/MS or GC-FID	For Information Only	Not detected	☒ Pass ☐ Fail
γ -Terpinene	GC/MS or GC-FID	For Information Only	0.06%	☒ Pass ☐ Fail
Caryophyllene Oxide	GC/MS or GC-FID	For Information Only	Not detected	☒ Pass ☐ Fail
Terpinolene	GC/MS or GC-FID	For Information Only	Not detected	☒ Pass ☐ Fail
α -Bisabolol	GC/MS or GC-FID	For Information Only	Not detected	☒ Pass ☐ Fail
Linalool	GC/MS or GC-FID	For Information Only	0.003%	☒ Pass ☐ Fail
Eudesmol	GC/MS or GC-FID	For Information Only	Not detected	☒ Pass ☐ Fail

*100% label claim at the time of manufacture

**Solvent and Pesticide testing performed annually



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

PRODUCT SPECIFICATION AND CERTIFICATE OF ANALYSIS

Document #	FP.004	Rev. 5	Effective Date 03/06/2020
Product Code#	QSFSHO01		
NANOEMULSIFIED FULL SPECTRUM HEMP EXTRACT 400			

NOTES:

Total Batch Size: 378 L

Bottles Produced: 3985

Released:

Quality Assurance: Janet Beasley Date: 04/22/2020



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

PRODUCT SPECIFICATION AND CERTIFICATE OF ANALYSIS

DOCUMENT SPECIFICATION AND CERTIFICATE OF ANALYSIS			
Document #	FP.004	Rev. 5	Effective Date 03/06/2020
Product Code#	QSFSHO01		
NANOEMULSIFIED FULL SPECTRUM HEMP EXTRACT 400			

Lot Number:	FHSO2002/1
Manufacturing Date:	04/2020
Bottle Size:	50 mL
Storage Recommendation:	Room Temperature
Shelf Life / EXP Date:	EXP:04/2022

Final Product Tests

Test Performed	Method	Specification	Result	Pass/Fail
Aerobic Plate Count	USP2021	$\leq 10^5$ cfu/mL	Conforms	☒ Pass ☐ Fail
Coliforms	AOAC 991.14	≤ 100 cfu/mL	Conforms	☒ Pass ☐ Fail
E. Coli	USP2022	Absent	Conforms	☒ Pass ☐ Fail
Staph aureus	USP2022	Absent	Conforms	☒ Pass ☐ Fail
Yeast/Mold	USP2021	≤ 1000 cfu/mL	Conforms	☒ Pass ☐ Fail
Salmonella	USP2022	Absent	Conforms	☒ Pass ☐ Fail
Pseudo. aeruginosa	mUSP62	Absent	Conforms	☒ Pass ☐ Fail
Arsenic	ICPMS	≤ 2 ppm	Conforms	☒ Pass ☐ Fail
Cadmium	ICPMS	≤ 2 ppm	Conforms	☒ Pass ☐ Fail
Lead	ICPMS	≤ 1 ppm	Conforms	☒ Pass ☐ Fail
Mercury	ICPMS	≤ 1 ppm	Conforms	☒ Pass ☐ Fail
Liposome size	DLS	10 nm– 50 nm	Conforms	☒ Pass ☐ Fail
THC	LC/MS/MS or HPLC	$\leq 0.3\%$	Not detected	☒ Pass ☐ Fail
Cannabidiol	LC/MS/MS or HPLC	≥ 16 mg/2 mL	19.38mg/mL	☒ Pass ☐ Fail
CBDV	LC/MS/MS or HPLC	For Information Only	Not detected	☒ Pass ☐ Fail

PRODUCT SPECIFICATION AND CERTIFICATE OF ANALYSIS

DOCUMENT IDENTIFICATION AND CERTIFICATE OF ANALYSIS			
Document #	FP.004	Rev. 5	Effective Date 03/06/2020
Product Code#	QSFSHO01		
NANOEMULSIFIED FULL SPECTRUM HEMP EXTRACT 400			

Test Performed	Method	Specification	Result	Pass/Fail
CBDA	LC/MS/MS or HPLC	For Information Only	Not detected	☒ Pass ☐ Fail
CBG	LC/MS/MS or HPLC	For Information Only	.30mg/2mL	☒ Pass ☐ Fail
CBN	LC/MS/MS or HPLC	For Information Only	0.1mg/2mL	☒ Pass ☐ Fail
CBC	LC/MS/MS or HPLC	For Information Only	.94mg/2ml	☒ Pass ☐ Fail
α -Pinene	GC/MS or GC-FID	For Information Only	0.02%	☒ Pass ☐ Fail
Isopulegol	GC/MS or GC-FID	For Information Only	Not detected	☒ Pass ☐ Fail
Camphene	GC/MS or GC-FID	For Information Only	Not detected	☒ Pass ☐ Fail
Menthol	GC/MS or GC-FID	For Information Only	Not detected	☒ Pass ☐ Fail
β -Myrcene	GC/MS or GC-FID	For Information Only	0.02%	☒ Pass ☐ Fail
(-)-Borneol	GC/MS or GC-FID	For Information Only	Not detected	☒ Pass ☐ Fail
β -Pinene	GC/MS or GC-FID	For Information Only	0.13%	☒ Pass ☐ Fail
Terpineol	GC/MS or GC-FID	For Information Only	Not detected	☒ Pass ☐ Fail
δ -3-Carene	GC/MS or GC-FID	For Information Only	Not detected	☒ Pass ☐ Fail
Citronellol	GC/MS or GC-FID	For Information Only	Not detected	☒ Pass ☐ Fail
Limonene	GC/MS or GC-FID	For Information Only	1.49%	☒ Pass ☐ Fail
Geraniol	GC/MS or GC-FID	For Information Only	Not detected	☒ Pass ☐ Fail
α -Terpinene	GC/MS or GC-FID	For Information Only	Not detected	☒ Pass ☐ Fail
β -Caryophyllene	GC/MS or GC-FID	For Information Only	Not detected	☒ Pass ☐ Fail
trans-beta-Ocimene	GC/MS or GC-FID	For Information Only	Not detected	☒ Pass ☐ Fail
α -Humulene	GC/MS or GC-FID	For Information Only	0.05%	☒ Pass ☐ Fail



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

PRODUCT SPECIFICATION AND CERTIFICATE OF ANALYSIS

IDENTIFICATION AND CERTIFICATE OF ANALYSIS			
Document #	FP.004	Rev. 5	Effective Date 03/06/2020
Product Code#	QSFSHO01		
NANOEMULSIFIED FULL SPECTRUM HEMP EXTRACT 400			

Test Performed	Method	Specification	Result	Pass/Fail
cis-beta-Ocimene	GC/MS or GC-FID	For Information Only	Not detected	☒ Pass ☐ Fail
cis-Nerolidol	GC/MS or GC-FID	For Information Only	Not detected	☒ Pass ☐ Fail
p-Cymene	GC/MS or GC-FID	For Information Only	Not detected	☒ Pass ☐ Fail
trans-Nerolidol	GC/MS or GC-FID	For Information Only	Not detected	☒ Pass ☐ Fail
Eucalyptol	GC/MS or GC-FID	For Information Only	Not detected	☒ Pass ☐ Fail
Guaiol	GC/MS or GC-FID	For Information Only	Not detected	☒ Pass ☐ Fail
γ -Terpinene	GC/MS or GC-FID	For Information Only	0.06%	☒ Pass ☐ Fail
Caryophyllene Oxide	GC/MS or GC-FID	For Information Only	Not detected	☒ Pass ☐ Fail
Terpinolene	GC/MS or GC-FID	For Information Only	Not detected	☒ Pass ☐ Fail
α -Bisabolol	GC/MS or GC-FID	For Information Only	Not detected	☒ Pass ☐ Fail
Linalool	GC/MS or GC-FID	For Information Only	0.003%	☒ Pass ☐ Fail
Eudesmol	GC/MS or GC-FID	For Information Only	Not detected	☒ Pass ☐ Fail

*100% label claim at the time of manufacture

**Solvent and Pesticide testing performed annually



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

PRODUCT SPECIFICATION AND CERTIFICATE OF ANALYSIS

TEST SPECIFICATION AND CERTIFICATE OF ANALYSIS			
Document #	FP.004	Rev. 5	Effective Date 03/06/2020
Product Code#	QSFSHO01		
NANOEMULSIFIED FULL SPECTRUM HEMP EXTRACT 400			

NOTES:

Total Batch Size: 378 L

Bottles Produced: 1004

Released:

Quality Assurance:

Janet Batts

Date: 04/22/2020

April 14, 2020

QUICKSILVER SCIENTIFIC

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

Order No. 512831
 Sample No. 1048287

SAMPLE INFORMATION

Description Nanoemulsified Full Spectrum
Lot Number FSHO2002
Category (Type) Concentrate (Tincture)
Received April 09, 2020

ANALYTICAL RESULTS

Analysis Cannabinoid Profile
Instrument Liquid Chromatography Diode Array Detector (LC-DAD)
Method MF12D012
Analysis Date April 09, 2020 to April 14, 2020

Analyte	mg/g	%	mg/ml	Status
Δ8-THC	ND	ND	ND	-
Δ9-THC	0.37	0.037	0.38	-
Δ9-THCA	ND	ND	ND	-
THCV	ND	ND	ND	-
THCVA	ND	ND	ND	-
CBD	9.33	0.933	9.69	-
CBDA	ND	ND	ND	-
CBC	0.46	0.046	0.47	-
CBCA	ND	ND	ND	-
CBDV	ND	ND	ND	-
CBG	<LOQ (0.14)	<LOQ (0.014)	0.15	-
CBGA	ND	ND	ND	-
CBN	<LOQ (0.05)	<LOQ (0.005)	0.05	-
Total THC	0.37	0.037	0.38	-
Total CBD	9.33	0.933	9.69	-
Total Cannabinoids	10.34	1.034	10.74	-
Total Active Cannabinoids	10.34	1.034	10.74	-
g/ml Conversion Factor	1.0389			

Reported by
Anresco, Inc.


 George Wharam
 Analyst

Limit of Quantitation: 0.2 mg/g
 Limit of Detection: 0.04 mg/g
 ND = None Detected
 <LOQ = Below Limit of Quantitation
 <LOD = Below Limit of Detection

April 14, 2020



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

40 West Louise Ave., Salt Lake City, UT 84115

Phone: (801) 485-1800 Fax: (801) 484-9211

Email: utlab@advancedlabsinc.com

FDA Registration #14353128308

Test Certificate

Description: Hemp On Demand Full Spectrum

Sample ID:

Lot No: FSHO2002/1

Location:

Received: 4/15/2020

Completed: 4/17/2020

Client: Quicksilver Scientific

1376 Miners Drive

Suite 103

Lafayette, CO 80026

Lab No: 193655-01

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

Dated:

4/17/2020

Printed: 4/17/2020 2:27:17 PM





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

40 West Louise Ave., Salt Lake City, UT 84115

Phone: (801) 485-1800 Fax: (801) 484-9211

Email: utlab@advancedlabsinc.com

FDA Registration #14353128308

Test Certificate

Description: Hemp On Demand Full Spectrum

Sample ID:

Lot No: FSHO2002/1

Location:

Received: 4/15/2020

Completed: 4/22/2020

Client: Quicksilver Scientific

1376 Miners Drive

Suite 103

Lafayette, CO 80026

Lab No: 193651-01

Analysis	Result	Per Unit	Specifications	Method
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>

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:

4/22/2020

Printed: 4/22/2020 10:34:39 AM





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

Contact:			Sales Order #	
Phone:			Purchase Order # lipo	
Fax:				
WO: 1140263	Samples Received: 6/10/2019	Report Date: 6/24/2019	Report No: LFP-199307	

Lab & Cust. Sample Id **Description / Method / Result**

1140263-017 (FSHO1901/2) Supplement Full Spectrum Hemp Oil

Analysis Date: 6/24/2019

Almond Protein Allergen	Not Detected	ppm
Buckwheat Protein Allergen	Not Detected	ppm
Crustacean Protein Allergen	Not Detected	ppm
Egg Protein Allergen	Not Detected	ppm
Gluten Allergen	Not Detected	ppm
Hazelnut Protein Allergen	Not Detected	ppm
Lupin Residue	Not Detected	ppm
Mustard Protein Allergen	Not Detected	ppm
Peanut Protein Allergen	Not Detected	ppm
Sesame Seed Protein Allergen	Not Detected	ppm
Soy Protein Allergen	Not Detected	ppm
Total Milk Protein	Not Detected	ppm
Brazil Nut Protein Lateral Flow	Not Detected	/ppm
Cashew Protein Lateral Flow	Not Detected	/ppm
Celery Specific DNA Test	Not Detected	

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 Meshgi

Authorized Analyst: Mahzad Meshgi, Ph.D.



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

Contact:		Sales Order #
Phone:		Purchase Order # lipo
Fax:		
WO: 1140263	Samples Received: 6/10/2019	Report Date: 6/24/2019
Lab & Cust. Sample Id	Description / Method / Result	Report No: LFP-199307

Lab & Cust. Sample Id Description / Method / Result

Coconut Protein Lateral Flow	Not Detected	/ppm
Fish Specific DNA Test	Not Detected	
Macadamia Protein Lateral Flow	Not Detected	/ppm
Pine Nut Protein Lateral Flow	Not Detected	/ppm
Pistachio Protein Lateral Flow	Not Detected	/ppm
Walnut/Pecan Protein Lateral Flow	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.

May 09, 2019

QUICKSILVER SCIENTIFIC

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

Order No. 506223
 Sample No. 1026488

SAMPLE INFORMATION

Description Full Spectrum Hemp Extract
Lot Number FSHO1901
Category (Type) Other (Tincture)
Received May 07, 2019

ANALYTICAL RESULTS

Analysis Pesticide Residue Screen ✔ Pass
Instrument Liquid Chromatography Tandem Mass Spectrometry (LC-MS/MS) & Gas Chromatography Tandem Mass Spectrometry (GC-MS/MS)
Method MF 21P030
Analysis Date May 07, 2019 to May 09, 2019

Analyte	LOD / LOQ (µg/g)	Findings (µg/g)	Limit (µg/g)	Status
Abamectin	0.04/0.10	ND	0.3	Pass
Acephate	0.04/0.10	ND	5.0	Pass
Acequinocyl	0.04/0.10	ND	4.0	Pass
Acetamiprid	0.04/0.10	ND	5.0	Pass
Aldicarb	0.04/0.10	ND	0.0	Pass
Azoxystrobin	0.04/0.10	ND	40.0	Pass
Bifenazate	0.04/0.10	ND	5.0	Pass
Bifenthrin	0.20/0.50	ND	0.5	Pass
Boscalid	0.04/0.10	ND	10.0	Pass
Captan	0.25/0.70	ND	5.0	Pass
Carbaryl	0.20/0.50	ND	0.5	Pass
Carbofuran	0.04/0.10	ND	0.0	Pass
Chlorantraniliprole	0.04/0.10	ND	40.0	Pass
Chlordane	0.04/0.10	ND	0.0	Pass
Chlorfenapyr	0.04/0.10	ND	0.0	Pass
Chlorpyrifos	0.04/0.10	ND	0.0	Pass
Clofentezine	0.04/0.10	ND	0.5	Pass
Coumaphos	0.04/0.10	ND	0.0	Pass
Cyfluthrin	0.70/2.00	ND	1.0	Pass
Cypermethrin	0.35/1.00	ND	1.0	Pass
Daminozide	0.04/0.10	ND	0.0	Pass
DDVP (Dichlorovous)	0.04/0.10	ND	0.0	Pass
Diazinon	0.04/0.10	ND	0.2	Pass
Dimethoate	0.04/0.10	ND	0.0	Pass
Dimethomorph	0.04/0.10	ND	20.0	Pass
Ethoprop(hos)	0.04/0.10	ND	0.0	Pass
Etofenprox	0.04/0.10	ND	0.0	Pass
Etoxazole	0.04/0.10	ND	1.5	Pass
Fenhexamid	0.04/0.10	ND	10.0	Pass
Fenoxycarb	0.04/0.10	ND	0.0	Pass

If there are any questions with this report, please contact "iso@anresco.com".

page 1 of 2

Analyte	LOD / LOQ (µg/g)	Findings (µg/g)	Limit (µg/g)	Status
Fenpyroximate	0.04/0.10	ND	2.0	Pass
Fipronil	0.04/0.10	ND	0.0	Pass
Flonicamid	0.04/0.10	ND	2.0	Pass
Fludioxanil	0.04/0.10	ND	30.0	Pass
Hexythiazox	0.04/0.10	ND	2.0	Pass
Imazalil	0.04/0.10	ND	0.0	Pass
Imidacloprid	0.04/0.10	ND	3.0	Pass
Kresoxim Methyl	0.04/0.10	ND	1.0	Pass
Malathion	0.20/0.50	ND	5.0	Pass
Metalaxyl	0.04/0.10	ND	15.0	Pass
Methiocarb	0.04/0.10	ND	0.0	Pass
Methomyl	0.04/1.00	ND	0.1	Pass
Methyl parathion	0.04/0.10	ND	0.0	Pass
Mevinphos	0.04/0.10	ND	0.0	Pass
Myclobutanil	0.04/0.10	ND	9.0	Pass
Naled	0.50/1.50	ND	0.5	Pass
Oxamyl	0.20/0.50	ND	0.2	Pass
Paclobutrazol	0.04/0.10	ND	0.0	Pass
Pentachloronitrobenzene	0.04/0.10	ND	0.2	Pass
Permethrins	0.20/0.50	ND	20.0	Pass
Phosmet	0.04/0.10	ND	0.2	Pass
Piperonyl Butoxide	0.04/0.10	ND	8.0	Pass
Prallethrin	0.50/1.50	ND	0.4	Pass
Propiconazole	0.04/0.10	ND	20.0	Pass
Propoxur	0.04/0.10	ND	0.0	Pass
Pyrethrins	0.20/0.50	ND	1.0	Pass
Pyridaben	0.04/0.10	ND	3.0	Pass
Spinetoram	0.04/0.10	ND	3.0	Pass
Spinosad	0.04/0.10	ND	3.0	Pass
Spiromesifen	0.04/0.10	ND	12.0	Pass
Spirotetramat	0.04/0.10	ND	13.0	Pass
Spiroxamine	0.04/0.10	ND	0.0	Pass
Tebuconazole	0.04/0.10	ND	2.0	Pass
Thiacloprid	0.04/0.10	ND	0.0	Pass
Thiamethoxam	0.35/1.00	ND	4.5	Pass
Trifloxystrobin	0.04/0.10	ND	30.0	Pass

Reported by
Anresco, Inc.




Eric Tam
 Senior Chemist

May 09, 2019

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

If there are any questions with this report, please contact "iso@anresco.com".

page 2 of 2



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

Contact:

Phone:

Sales Order # ,

Purchase Order # lipo

WO: 1140263

Samples Received: 6/10/2019

Report Date: 6/21/2019

Report No: LFP-199215

Lab Sample No	Customer Sample ID	Sample Desc	Customer Comments	GMO
1140263-001	18709	Supplement	Ultra Binder	Not Detected
1140263-002	UE1901/2	Supplement	Ultra Energy	Not Detected
1140263-004	KBSS1902/1	Supplement	Keto Before 6	Not Detected
1140263-005	SYPC1905/1	Supplement	Micellized Pure PC	Not Detected
1140263-006	QSDK1903/1	Supplement	Nanoemulsified D3K2	Not Detected
1140263-007	ONE1902/1	Supplement	The One	Not Detected
1140263-008	NMJ1901/1	Supplement	Nano mojo	Not Detected
1140263-009	NB1901/1	Supplement	NotoBravi	Not Detected
1140263-010	MLT1901/1	Supplement	Melatonin Professional Dose	Not Detected
1140263-013	LVS1809/1	Supplement	Liver Sauce	Not Detected
1140263-014	LC1902/1	Supplement	LipoCalm	Not Detected
1140263-017	FSHO1901/2	Supplement	Full Spectrum Hemp Oil	Not Detected
1140263-018	ED1902/1	Supplement	Liposomal EDTA	Not Detected
1140263-020	CRLA1904/1	Supplement	Vitamin C with R-Lipoic Acid	Not Detected
1140263-021	18685	Supplement	Clearway Cofactors	Not Detected
1140263-022	BSHO1901/3	Supplement	Broad Spectrum Hemp Oil	Not Detected
1140263-023	BITX1901/1	Supplement	Bitters X	Not Detected
1140263-024	BIT1901/2	Supplement	Bitters No.9	Not Detected
1140263-025	ART1901/1	Supplement	Artemisinin	Not Detected
1140263-026	AML1901/1	Supplement	Glutathione Complex	Not Detected
1140263-027	AMB1801	Supplement	AmalgaClear	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%.

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).

Authorized Analyst: Kristina Tenney

Friday, Jun 21 2019 20:40:33

Page 1 Of 1

Certificate of Analysis

Quicksilver Scientific Inc.

1376 Miners Dr. Ste. 101
Lafayette Colorado 80026 United States

Sample Name:	Nanoemulsified Full Spectrum Hemp Extract	Eurofins Sample:	8600366
Project ID	QUICKSI_SC-20190702-0004	Receipt Date	03-Jul-2019
PO Number	CVD	Receipt Condition	Ambient temperature
Lot Number	FSHO1901/5	Login Date	02-Jul-2019
Sample Serving Size		Date Started	05-Jul-2019
Description	Tincture	Online Order	11274-11DE3DD6

Analysis	LOQ	Limit	Result	Pass/Fail
Residual Solvents - Class 1, 2a, 2b and 3				
1,1,1-Trichloroethane	10 ppm	10 ppm	<10 ppm	Pass
1,1-Dichloroethene	8 ppm	8 ppm	<8 ppm	Pass
1,2-Dichloroethane	5 ppm	5 ppm	<5 ppm	Pass
Benzene	2 ppm	2 ppm	<2 ppm	Pass
Carbon Tetrachloride	4 ppm	4 ppm	<4 ppm	Pass
1,2-Dimethoxyethane	100 ppm	100 ppm	<100 ppm	Pass
1,4-Dioxane	380 ppm	380 ppm	<380 ppm	Pass
Acetonitrile	410 ppm	410 ppm	<410 ppm	Pass
Chlorobenzene	360 ppm	360 ppm	<360 ppm	Pass
Chloroform	60 ppm	60 ppm	<60 ppm	Pass
1,2-Dichloroethene	1870 ppm	1870 ppm	<1870 ppm	Pass
Cumene	70 ppm	70 ppm	<70.0 ppm	Pass
Cyclohexane	3880 ppm	3880 ppm	<3880 ppm	Pass
Methanol	3000 ppm	3000 ppm	<3000 ppm	Pass
Methylbutylketone	50 ppm	50 ppm	<50 ppm	Pass
Methylcyclohexane	1180 ppm	1180 ppm	<1180 ppm	Pass
Methylene Chloride	600 ppm	600 ppm	<600 ppm	Pass
n-Hexane	290 ppm	290 ppm	<290 ppm	Pass
Nitromethane	50 ppm	50 ppm	<50 ppm	Pass
Pyridine	200 ppm	200 ppm	<200 ppm	Pass
Tetrahydrofuran	720 ppm	720 ppm	<720 ppm	Pass
Tetralin	96 ppm	96 ppm	<96.0 ppm	Pass
Toluene	890 ppm	890 ppm	<890 ppm	Pass
Trichloroethylene	80 ppm	80 ppm	<80 ppm	Pass
Xylenes(O,M,P + EB)	2170 ppm	2170 ppm	<2170 ppm	Pass
1-Butanol	200 ppm	5000 ppm	<200 ppm	Pass
1-Pentanol	200 ppm	5000 ppm	<200 ppm	Pass
1-Propanol	200 ppm	5000 ppm	<200 ppm	Pass
2-Butanol	200 ppm	5000 ppm	<200 ppm	Pass

Certificate of Analysis

Quicksilver Scientific Inc.

1376 Miners Dr. Ste. 101
Lafayette Colorado 80026 United States

Sample Name:	Nanoemulsified Full Spectrum Hemp Extract	Eurofins Sample:	8600366
Project ID	QUICKSI_SC-20190702-0004	Receipt Date	03-Jul-2019
PO Number	CVD	Receipt Condition	Ambient temperature
Lot Number	FSHO1901/5	Login Date	02-Jul-2019
Sample Serving Size		Date Started	05-Jul-2019
Description	Tincture	Online Order	11274-11DE3DD6

Analysis	LOQ	Limit	Result	Pass/Fail
Residual Solvents - Class 1, 2a, 2b and 3				
Methylethylketone	200 ppm	5000 ppm	<200 ppm	Pass
3-Methyl-1-butanol	200 ppm	5000 ppm	<200 ppm	Pass
Acetic Acid Butyl Ester	200 ppm	5000 ppm	<200 ppm	Pass
Acetone	200 ppm	5000 ppm	<200 ppm	Pass
Anisole	200 ppm	5000 ppm	<200 ppm	Pass
Diethyl Ether	200 ppm	5000 ppm	<200 ppm	Pass
Ethanol	200 ppm	5000 ppm	>8000 ppm	Fail
Ethyl Acetate	200 ppm	5000 ppm	<200 ppm	Pass
Ethyl Formate	500 ppm	5000 ppm	<500 ppm	Pass
2-Methyl-1-propanol	200 ppm	5000 ppm	<200 ppm	Pass
Isobutyl Acetate	200 ppm	5000 ppm	<200 ppm	Pass
2-Propanol	200 ppm	5000 ppm	<200 ppm	Pass
Isopropyl Acetate	200 ppm	5000 ppm	<200 ppm	Pass
Methyl Acetate	200 ppm	5000 ppm	<200 ppm	Pass
Methylisobutylketone	200 ppm	5000 ppm	<200 ppm	Pass
tert-Butylmethyl Ether	200 ppm	5000 ppm	<200 ppm	Pass
n-Heptane	200 ppm	5000 ppm	<200 ppm	Pass
n-Pentane	200 ppm	5000 ppm	<200 ppm	Pass
Propyl Acetate	200 ppm	5000 ppm	<200 ppm	Pass
Total Class 3 Residual Solvents	5000 ppm	5000 ppm	>5000 ppm	Fail

Method References	Testing Location
-------------------	------------------

Residual Solvents - Class 1, 2a, 2b and 3 (USPR_S)

Food Integrity Innovation-Madison

United States Pharmacopeia, 38nd Rev. - National Formulary 33th Ed., Method <467>, USP Convention, Inc., Rockville, MD (2015). (Modified).

Certificate of Analysis

Quicksilver Scientific Inc.

1376 Miners Dr. Ste. 101
Lafayette Colorado 80026 United States

Testing Location(s)	Released on Behalf of Eurofins by
Food Integrity Innovation-Madison Eurofins Food Chemistry Testing US, Inc. 3301 Kinsman Blvd Madison WI 53704 800-675-8375	Edward Ladwig - Director

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.

CERTIFICATE OF ANALYSIS

QUICKSILVER SCIENTIFIC, INC.

Contact: JANET NEELEY, QA MANAGER
1376 MINERS DRIVE, SUITE 101
LAFAYETTE, COLORADO 80026
Phone: 303-531-0861 ext. 179

IEH Laboratories & Consulting Group
IEH-Warren Analytical Laboratory
650 O St.
Greeley, CO 80631
Phone: 970-475-0252 Fax: 970-475-0280
www.iehinc.com / www.warrenlab.com

TRADE SECRET / CONFIDENTIAL COMMERCIAL INFORMATION

Contact: Phone:			Sales Order # , Purchase Order # lipo			
WO: 1905905			Samples Received: 6/6/2019		Report Date: 6/28/2019	Report No: WAL-128231
Sample ID#	Test Date	Coll. Date	Form	Type	Description	Sulfur Dioxide (ppm)
19CH-1905905-24653	6/19/2019	6/5/2019	Finished Goods	Product	AmalgaClear - AMB1801	<10
19CH-1905905-24654	6/19/2019	6/5/2019	Finished Goods	Product	Glutathione Complex - AML1901/1	<10
19CH-1905905-24655	6/19/2019	6/5/2019	Finished Goods	Product	Artemisinin - ART1901/1	<10
19CH-1905905-24656	6/19/2019	6/5/2019	Finished Goods	Product	Bitters No.9 - BIT1901/2	<10
19CH-1905905-24657	6/19/2019	6/5/2019	Finished Goods	Product	Bitters X BITX 1901/1	<10
19CH-1905905-24658	6/19/2019	6/5/2019	Finished Goods	Product	Broad Spectrum Hemp Oil - BSHO1901/3	<10
19CH-1905905-24659	6/19/2019	6/5/2019	Finished Goods	Product	Cat's Claw Elite - CCE1902/1	<10
19CH-1905905-24660	6/19/2019	6/5/2019	Finished Goods	Product	Clearway Cofactors - 18685	<10
19CH-1905905-24661	6/19/2019	6/5/2019	Finished Goods	Product	Nanoemulsified CoQ10 - COQ1902/1	<10
19CH-1905905-24662	6/19/2019	6/5/2019	Finished Goods	Product	Vitamin C with R-Lipoic Acid - CRLA1904/1	<10
19CH-1905905-24663	6/19/2019	6/5/2019	Finished Goods	Product	Nanoemulsified DIM - DIM1902/1	<10
19CH-1905905-24664	6/19/2019	6/5/2019	Finished Goods	Product	Liposomal EDTA - ED1902/1	<10
19CH-1905905-24665	6/19/2019	6/5/2019	Finished Goods	Product	Liposomal GABA - GA1902/1	<10

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).

Melanie Carwin President

Authorized Analyst: Melanie Carwin President

CERTIFICATE OF ANALYSIS

QUICKSILVER SCIENTIFIC, INC.

Contact: JANET NEELEY, QA MANAGER
1376 MINERS DRIVE, SUITE 101
LAFAYETTE, COLORADO 80026
Phone: 303-531-0861 ext. 179

IEH Laboratories & Consulting Group
IEH-Warren Analytical Laboratory
650 O St.
Greeley, CO 80631
Phone: 970-475-0252 Fax: 970-475-0280
www.iehinc.com / www.warrenlab.com

TRADE SECRET / CONFIDENTIAL COMMERCIAL INFORMATION

Contact: Phone:			Sales Order # , Purchase Order # lipo			
WO: 1905905			Samples Received: 6/6/2019		Report Date: 6/28/2019	Report No: WAL-128231
Sample ID#	Test Date	Coll. Date	Form	Type	Description	Sulfur Dioxide (ppm)
19CH-1905905-24666	6/19/2019	6/5/2019	Finished Goods	Product	Full Spectrum Hemp Oil - FSHO1901/2	<10
19CH-1905905-24667	6/19/2019	6/5/2019	Finished Goods	Product	H2 Elite - EX070220A	<10
19CH-1905905-24668	6/19/2019	6/5/2019	Finished Goods	Product	Hista Aid - HB1903/1	<10
19CH-1905905-24669	6/19/2019	6/5/2019	Finished Goods	Product	LipoCalm LC1902/1	<10
19CH-1905905-24670	6/19/2019	6/5/2019	Finished Goods	Product	Keto Before 6 - KBS1902/1	<10
19CH-1905905-24671	6/19/2019	6/5/2019	Finished Goods	Product	Liver Sauce - LVS1809/1	<10
19CH-1905905-24672	6/19/2019	6/5/2019	Finished Goods	Product	Nanoemulsified Milk Thistle - MTH1901/1	<10
19CH-1905905-24673	6/19/2019	6/5/2019	Finished Goods	Product	Liposomal Methyl B12 - MECOB1902/1	<10
19CH-1905905-24674	6/19/2019	6/5/2019	Finished Goods	Product	Liposomal Melatonin - MLTL1902/1	<10
19CH-1905905-24675	6/19/2019	6/5/2019	Finished Goods	Product	Melatonin Professional Dose - MLT1902/1	<10
19CH-1905905-24676	6/19/2019	6/5/2019	Finished Goods	Product	NotoBravi - NB1901/1	<10
19CH-1905905-24707	6/19/2019	6/5/2019	Finished Goods	Product	NanoMojo - NMJ1901/1	<10
19CH-1905905-24708	6/19/2019	6/5/2019	Finished Goods	Product	The One - ONE1902/1	<10

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).



Authorized Analyst: Melanie Carwin President

CERTIFICATE OF ANALYSIS

QUICKSILVER SCIENTIFIC, INC.

Contact: JANET NEELEY, QA MANAGER
1376 MINERS DRIVE, SUITE 101
LAFAYETTE, COLORADO 80026
Phone: 303-531-0861 ext. 179

IEH Laboratories & Consulting Group
IEH-Warren Analytical Laboratory
650 O St.
Greeley, CO 80631
Phone: 970-475-0252 Fax: 970-475-0280
www.iehinc.com / www.warrenlab.com

TRADE SECRET / CONFIDENTIAL COMMERCIAL INFORMATION

Contact: Phone:				Sales Order # , Purchase Order # lipo			
WO: 1910998		Samples Received: 11/19/2019		Report Date: 11/29/2019		Report No: 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							

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).



Authorized Analyst: Melanie Carwin President