

May 15, 2020

QUICKSILVER SCIENTIFIC

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

Order No. 513339
Sample No. 1050460

SAMPLE INFORMATION

Description Nanoemulsified Full Spectrum
Lot Number FSHO2003
Category (Type) Concentrate (Tincture)
Received May 12, 2020

ANALYTICAL RESULTS

Analysis Cannabinoid Profile
Instrument Liquid Chromatography Tandem Mass Spectrometry (LC/MS/MS)
Method MF12D012
Analysis Date May 12, 2020 to May 15, 2020

Analyte	mg/g	%	Status
Δ8-THC	-	-	-
Δ9-THC	0.26	0.026	-
Δ9-THCA	ND	ND	-
THCV	-	-	-
CBD	8.15	0.815	-
CBDA	ND	ND	-
CBC	ND	ND	-
CBCA	-	-	-
CBDV	-	-	-
CBG	ND	ND	-
CBGA	-	-	-
CBN	ND	ND	-
Total THC	0.26	0.026	-
Total CBD	8.15	0.815	-
Total Cannabinoids	8.41	0.841	-
Total Active Cannabinoids	8.41	0.841	-

Comments THC confirmed via LCMSMS. All other analytes tested to LOD 0.4 mg/g, LOQ 1.0 mg/g

Reported by
Anresco, Inc.



Eric Tam
Senior Chemist

May 15, 2020

Limit of Quantitation: 0.02 mg/g
Limit of Detection: 0.005 mg/g
ND = None Detected
<LOQ = Below Limit of Quantitation
<LOD = Below Limit of Detection



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

XENESTA PRODUCT SPECIFICATION AND CERTIFICATE OF ANALYSIS

Document #	FP.113	Rev. 1	Effective Date 04/22/2020
Product Code#	QSFSHO01		
XENESTA HEMP ON DEMAND FULL SPECTRUM 8MG/ML			

Lot Number:	FSHO2003/1
Manufacturing Date:	05/2020
Bottle Size:	50 mL
Storage Recommendation:	Room Temperature
Shelf Life / EXP Date:	EXP:05/2022

Final Product Tests

Test Performed	Method	Specification	Result	Pass/Fail
Aerobic Plate Count	USP2021	≤ 10 ⁵ 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	10 nm– 50 nm	Conforms	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
THC	LC/MS/MS or HPLC	≤ 0.03%	0.03%	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Cannabidiol	LC/MS/MS or HPLC	≥ 16mg / 2 mL	16.82mg/2ml	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
CBDV	LC/MS/MS or HPLC	For Information Only	Not Detected	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail



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XENESTA PRODUCT SPECIFICATION AND CERTIFICATE OF ANALYSIS

Document #	FP.113	Rev. 1	Effective Date 04/22/2020
Product Code#	QSFSH001		
XENESTA HEMP ON DEMAND FULL SPECTRUM 8MG/ML			

Test Performed	Method	Specification	Result	Pass/Fail
CBDA	LC/MS/MS or HPLC	For Information Only	Not Detected	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
CBG	LC/MS/MS or HPLC	For Information Only	Not Detected	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
CBN	LC/MS/MS or HPLC	For Information Only	Not Detected	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
CBC	LC/MS/MS or HPLC	For Information Only	Not Detected	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
α -Pinene	GC/MS or GC-FID	For Information Only	0.01%	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Isopulegol	GC/MS or GC-FID	For Information Only	Not Detected	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Camphene	GC/MS or GC-FID	For Information Only	Not Detected	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Menthol	GC/MS or GC-FID	For Information Only	Not Detected	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
β -Myrcene	GC/MS or GC-FID	For Information Only	0.01%	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
(-)-Borneol	GC/MS or GC-FID	For Information Only	Not Detected	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
β -Pinene	GC/MS or GC-FID	For Information Only	0.1%	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Terpineol	GC/MS or GC-FID	For Information Only	Not Detected	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
δ -3-Carene	GC/MS or GC-FID	For Information Only	Not Detected	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Citronellol	GC/MS or GC-FID	For Information Only	Not Detected	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Limonene	GC/MS or GC-FID	For Information Only	1.16%	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Geraniol	GC/MS or GC-FID	For Information Only	Not Detected	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
α -Terpinene	GC/MS or GC-FID	For Information Only	Not Detected	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
β -Caryophyllene	GC/MS or GC-FID	For Information Only	.51%	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
trans-beta-Ocimene	GC/MS or GC-FID	For Information Only	Not Detected	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
α -Humulene	GC/MS or GC-FID	For Information Only	0.02%	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail



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XENESTA PRODUCT SPECIFICATION AND CERTIFICATE OF ANALYSIS

Document #	FP.113	Rev. 1	Effective Date 04/22/2020
Product Code#	QSFSHO01		
XENESTA HEMP ON DEMAND FULL SPECTRUM 8MG/ML			

Test Performed	Method	Specification	Result	Pass/Fail
cis-beta-Ocimene	GC/MS or GC-FID	For Information Only	Not Detected	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
cis-Nerolidol	GC/MS or GC-FID	For Information Only	Not Detected	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
p-Cymene	GC/MS or GC-FID	For Information Only	Not Detected	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
trans-Nerolidol	GC/MS or GC-FID	For Information Only	Not Detected	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Eucalyptol	GC/MS or GC-FID	For Information Only	Not Detected	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Guaiol	GC/MS or GC-FID	For Information Only	Not Detected	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
γ-Terpinene	GC/MS or GC-FID	For Information Only	0.04%	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Caryophyllene Oxide	GC/MS or GC-FID	For Information Only	Not Detected	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Terpinolene	GC/MS or GC-FID	For Information Only	Not Detected	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
α-Bisabolol	GC/MS or GC-FID	For Information Only	Not Detected	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Linalool	GC/MS or GC-FID	For Information Only	Not Detected	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Eudesmol	GC/MS or GC-FID	For Information Only	Not Detected	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail

*100% label claim at the time of manufacture

**Solvent and Pesticide testing performed annually



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XENESTA PRODUCT SPECIFICATION AND CERTIFICATE OF ANALYSIS

Document #	FP.113	Rev. 1	Effective Date 04/22/2020
Product Code#	QSFSHO01		
XENESTA HEMP ON DEMAND FULL SPECTRUM 8MG/ML			

NOTES:

Total Batch Size: 384.4L

Bottles Produced: 7553

Released:

Quality Assurance:

Grant Bosteng

Date:

05/21/2020



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: Full Spectrum Hemp Oil
 Sample ID:
 Lot No: FSHO2003/1
 Location:
 Received: 5/13/2020
 Completed: 5/14/2020

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

Lab No: 196082-02

Analysis	Result	Per Unit	Specifications	Method
Mercury	< 0.001	ppm	Report	ICP-MS USP <730>
Lead	0.005	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 Noll - Quality Technician

Dated: 5/14/2020

Printed: 5/14/2020 5:39:22 PM





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: Full Spectrum Hemp Oil
 Sample ID:
 Lot No: FSHO2003/1
 Location:
 Received: 5/13/2020
 Completed: 5/20/2020

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

Lab No: 196081-02

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>

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Results Approved By: 
 Kristina Noll - Quality Technician

Dated: 5/20/2020

Printed: 5/20/2020 12:32:40 PM



May 19, 2020

QUICKSILVER SCIENTIFIC

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

Order No. 513339
 Sample No. 1050460

SAMPLE INFORMATION

Description Nanoemulsified Full Spectrum
Lot Number FSHO2003
Category (Type) Concentrate (Tincture)
Received May 12, 2020

ANALYTICAL RESULTS

Analysis Terpene Profile
Instrument Gas Chromatography Mass Spectrometry (GC/MS)
Method American Herbal Pharmacopoeia
Analysis Date May 12, 2020 to May 19, 2020

Terpene	mg/g	%	Status
α-Pinene	0.0965	0.00965	-
Isopulegol	ND	ND	-
Camphene	ND	ND	-
Menthol	ND	ND	-
β-Myrcene	0.0839	0.00839	-
(-)-Borneol	ND	ND	-
β-Pinene	0.481	0.0481	-
Terpineol	ND	ND	-
δ-3-Carene	<LOQ	<LOQ	-
Citronellol	ND	ND	-
Limonene	5.79	0.579	-
Geraniol	ND	ND	-
α-Terpinene	<LOQ	<LOQ	-
β-Caryophyllene	2.59	0.259	-
trans-beta-Ocimene	ND	ND	-
α-Humulene	0.138	0.0138	-
cis-beta-Ocimene	ND	ND	-
cis-Nerolidol	ND	ND	-
p-Cymene	ND	ND	-
trans-Nerolidol	<LOQ	<LOQ	-
Eucalyptol	ND	ND	-
Guaiol	<LOQ	<LOQ	-
γ-Terpinene	0.207	0.0207	-
Caryophyllene Oxide	0.0159	0.00159	-
Terpinolene	<LOQ	<LOQ	-
α-Bisabolol	0.0299	0.00299	-
Linalool	0.0161	0.00161	-
Eudesmol	<LOQ	<LOQ	-
Total Terpenes	9.4483	0.94483	-

Reported by
Anresco, Inc.

Limit of Detection: 0.0004 mg/g
 Limit of Quantitation: 0.0013 mg/g
 ND = None Detected
 <LOQ = Below Limit of Quantitation
 <LOD = Below Limit of Detection




Darryl Cudia
 Analyst

May 19, 2020

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

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