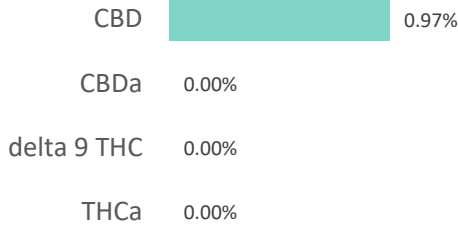
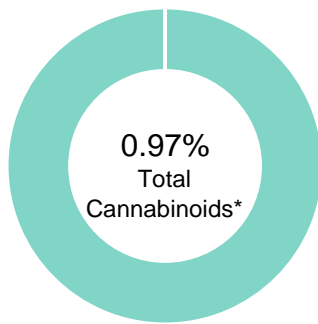


960035 RETEST

Batch ID:	960035 RETEST	Test ID:	9882551.0024
Reported:	26-Nov-2019	Method:	TM14
Type:	Concentrate		
Test:	Potency		

CANNABINOID PROFILE


Compound	LOQ (%)	Result (%)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.09	0.00	0.0
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.04	0.00	0.0
Cannabidiolic acid (CBDA)	0.11	0.00	0.0
Cannabidiol (CBD)	0.06	0.97	9.7
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.05	0.00	0.0
Cannabinolic Acid (CBNA)	0.12	0.00	0.0
Cannabinol (CBN)	0.05	0.00	0.0
Cannabigerolic acid (CBGA)	0.08	0.00	0.0
Cannabigerol (CBG)	0.04	0.00	0.0
Tetrahydrocannabivarinic Acid (THCVA)	0.08	0.00	0.0
Tetrahydrocannabivarin (THCV)	0.04	0.00	0.0
Cannabidivarinic Acid (CBDVA)	0.10	0.00	0.0
Cannabidivarin (CBDV)	0.06	0.00	0.0
Cannabichromenic Acid (CBCA)	0.07	0.00	0.0
Cannabichromene (CBC)	0.08	0.00	0.0
Total Cannabinoids		0.97	9.70
Total Potential THC**		0.00	0.00
Total Potential CBD**		0.97	9.70


NOTES:

N/A

% = % (w/w) = Percent (Weight of Analyte / Weight of Product)


* Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.

** Total Potential THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step.

$$\text{Total THC} = \text{THC} + (\text{THCa} * (0.877)) \text{ and } \text{Total CBD} = \text{CBD} + (\text{CBDa} * (0.877))$$
FINAL APPROVAL


Ryan Weems
 26-Nov-2019
 10:17 AM

PREPARED BY / DATE



Greg Zimpfer
 26-Nov-2019
 11:10 AM

APPROVED BY / DATE

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of Botanacor Laboratories, LLC. ISO/IEC 17025:2005 Accredited A2LA Certificate Number 4329.02



960035 RETEST

Batch ID:	960035 RETEST	Test ID:	9625196.022
Reported:	24-Nov-2019	Method:	Concentrate - Test Methods: TM05, TM06
Type:	Concentrate		
Test:	Microbial Contaminants		

MICROBIAL CONTAMINANTS

Contaminant	Result (CFU/g)*
Total Aerobic Count**	None Detected
Total Coliforms**	None Detected
Total Yeast and Molds**	None Detected
<i>E. coli</i>	None Detected
<i>Salmonella</i>	None Detected

* CFU/g = Colony Forming Unit per Gram

** Values recorded in scientific notation, a common microbial practice of expressing numbers that are too large to be conveniently written in decimal form.

Examples: $10^2 = 100$ CFU
 $10^3 = 1,000$ CFU
 $10^4 = 10,000$ CFU
 $10^5 = 100,000$ CFU

NOTES:



Free from visual mold, mildew, and foreign matter

TYM: None Detected

Total Aerobic: None Detected

Coliforms: None Detected

FINAL APPROVAL

 Samantha N. Pauly 24-Nov-2019 2:10 PM	 Mike Branvold 24-Nov-2019 4:35 PM
---	--

PREPARED BY / DATE

APPROVED BY / DATE

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40 West Louise Ave., Salt Lake City, UT 84115
 Phone: (801) 485-1800 Fax: (801) 484-9211
 Email: utlab@advancedlabsinc.com
FDA Registration #3006423386

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

Test Certificate

Description: 960035
 Sample ID:
 Lot No: 960035
 Part Code:
 Location:
 PO No:
 Received: 6/20/2019

Client: Elixinol
 Attn: Accounts Payable
 555 Burbank Street
 Broomfield, CO 80220

Lab No: 173699-02
 Completed: 6/27/2019

Analysis	Result	Per Unit	Specifications	Method
†Residual Solvent Class 1	<0.1	ppm		USP <467> GCMS
†Residual Solvent Class 2	<0.1	ppm		USP <467> GCMS
†Residual Solvent Class 3	404	ppm		USP <467> GCMS
†Residual Organic Volatiles	<0.1	ppm	< 20000 ppm	USP <467> GCMS

Residual Organic Volatiles, Residual Solvent Class 1, Residual Solvent Class 2 and Residual Solvent Class 3 analysis performed by headspace sampling GC-MS on a capillary column stationary phase of BPX5, 0.25m film: length: 30m x 0.1 mm ID. Oven Program: Initial Temp:50°C, 1 min. Rate 1: 30°C/min. Final Temp: 320°C, 2 min. Detector Type: MS in positive ion Temperature: 320°C Carrier Gas: He, 23psi. Average Linear Velocity:30 cm/sec at 50°C. Injection Mode: Split. Split Ratio: 100:1. Injection Volume: 1.0 µL Injection Temperature: 250°C Liner Type: 4 mm ID Single Taper.

Residual Solvent Class 3: Ethanol reported

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: 
 Alisa Farnsworth-Quality Technician

Dated: 6/27/2019

Tests marked with † were done at Atlas Bioscience Labs, LLC, a joint venture with Advanced Laboratories. - 1775 S. Pantano Rd - Ste #110, Tucson, AZ 85710

Printed: 6/27/2019 12:59:53 PM



Certificate of Analysis

Elixinol, LLC

555 Burbank St. Unit J
Broomfield Colorado 80020 United States

Sample Name:	960035	Eurofins Sample:	8544208
Project ID	ELIXINOL-20190618-0042	Receipt Date	19-Jun-2019
PO Number	CVD	Receipt Condition	Ambient temperature
Lot Number	960035	Login Date	18-Jun-2019
Sample Serving Size		Date Started	24-Jun-2019
		Online Order	13484-11CB9A91

Analysis	Result
Industrial Hemp Cannabinoid Profile	
CBDVA	<0.00250 %
CBDV	0.0171 %
CBDA	<0.00250 %
CBGA	<0.00250 %
CBG	0.00889 %
CBD	0.957 %
THCV	<0.00250 %
CBN	<0.00250 %
Delta 9-THC	0.0290 %
Delta 8-THC	<0.00500 %
THCA	<0.00250 %
CBC	0.0247 %
Total Cannabinoids	1.04 %
Total THC (THC + (THCA x 0.877))	0.0290 %
Total CBD (CBD + (CBDA x 0.877))	0.957 %
Yeast and Mold Plate Count	
Yeast Plate Count	<10 CFU/mL
Mold Plate Count	<10 CFU/mL
Aerobic Plate Count	
Standard Plate Count	<10 CFU/mL
Elements by ICP Mass Spectrometry	
Arsenic	<10.0 ppb
Cadmium	<5.00 ppb
Lead	<5.00 ppb
Mercury	<5.00 ppb
E.coli and Coliforms (Petrifilm)	
Total coliforms	<10 CFU/mL
Escherichia Coli	<10 CFU/mL
Glyphosate and AMPA *	

* This analysis or component is not ISO accredited.

Certificate of Analysis

Elixinol, LLC

555 Burbank St. Unit J
Broomfield Colorado 80020 United States

Sample Name:	960035	Eurofins Sample:	8544208
Project ID	ELIXINOL-20190618-0042	Receipt Date	19-Jun-2019
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Lot Number	960035	Login Date	18-Jun-2019
Sample Serving Size		Date Started	24-Jun-2019
		Online Order	13484-11CB9A91

Analysis	Result
----------	--------

Glyphosate and AMPA *

Glyphosate	<100 ng/g
AMPA	<100 ng/g

Analysis	Limit	Result	Pass/Fail
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Bromide per USP <561>

Bromide, inorganic (calculated as Bromide Ion)	125 mg/kg	<125 mg/kg	Pass
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Total Content of Dithiocarbamates (DTCs) expressed as CS2 per USP <561>

Total Content of Dithiocarbamates (DTCs) expressed as CS2	2 mg/kg	<2 mg/kg	Pass
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USP <561> Pesticides

Acephate	0.1 mg/kg	<0.1 mg/kg	Pass
Alachlor	0.05 mg/kg	<0.05 mg/kg	Pass
Aldrin and dieldrin (sum of)	0.05 mg/kg	<0.05 mg/kg	Pass
Azinphos-ethyl	0.1 mg/kg	<0.1 mg/kg	Pass
Azinphos-methyl	1 mg/kg	<1 mg/kg	Pass
Bromophos-ethyl	0.05 mg/kg	<0.05 mg/kg	Pass
Bromophos-methyl	0.05 mg/kg	<0.05 mg/kg	Pass
Bromopropylate	3 mg/kg	<3 mg/kg	Pass
Chlordane (sum of cis- and trans- isomers and oxychlordane)	0.05 mg/kg	<0.05 mg/kg	Pass
Chlorfenvinphos	0.5 mg/kg	<0.5 mg/kg	Pass
Chlorpyrifos-ethyl	0.2 mg/kg	<0.2 mg/kg	Pass
Chlorpyrifos-methyl	0.1 mg/kg	<0.1 mg/kg	Pass
Chlorthal-dimethyl	0.01 mg/kg	<0.01 mg/kg	Pass
Cyfluthrin (sum of isomers)	0.1 mg/kg	<0.1 mg/kg	Pass
Cyhalothrin, lambda-	1 mg/kg	<1 mg/kg	Pass
Cypermethrin (sum of isomers)	1 mg/kg	<1 mg/kg	Pass
DDT (sum of o,p'-DDT, p,p'-DDT, o,p'-DDE, p,p'-DDE, o,p'-DDD, and p,p'-DDD)	1 mg/kg	<1 mg/kg	Pass
Deltamethrin	0.5 mg/kg	<0.5 mg/kg	Pass
Diazinon	0.5 mg/kg	<0.5 mg/kg	Pass
Dichlofluanid	0.1 mg/kg	<0.1 mg/kg	Pass
Dichlorvos	1 mg/kg	<1 mg/kg	Pass

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Certificate of Analysis

Elixinol, LLC

555 Burbank St. Unit J
Broomfield Colorado 80020 United States

Sample Name:	960035	Eurofins Sample:	8544208
Project ID	ELIXINOL-20190618-0042	Receipt Date	19-Jun-2019
PO Number	CVD	Receipt Condition	Ambient temperature
Lot Number	960035	Login Date	18-Jun-2019
Sample Serving Size		Date Started	24-Jun-2019
		Online Order	13484-11CB9A91

Analysis	Limit	Result	Pass/Fail
USP <561> Pesticides			
Dicofol	0.5 mg/kg	<0.5 mg/kg	Pass
Dimethoate and omethoate (sum of)	0.1 mg/kg	<0.1 mg/kg	Pass
Endosulfan (sum of isomers and endosulfan sulfate)	3 mg/kg	<3 mg/kg	Pass
Endrin	0.05 mg/kg	<0.05 mg/kg	Pass
Ethion	2 mg/kg	<2 mg/kg	Pass
Etriphos	0.05 mg/kg	<0.05 mg/kg	Pass
Fenchlorphos (sum of fenchlorphos and fenchlorphos-oxon)	0.1 mg/kg	<0.1 mg/kg	Pass
Fenitrothion	0.5 mg/kg	<0.5 mg/kg	Pass
Fenprophathrin	0.03 mg/kg	<0.03 mg/kg	Pass
Fensulfothion (sum of fensulfothion, fensulfothion-oxon, fensulfothion-oxon sulfone and fensulfothion sulfone)	0.05 mg/kg	<0.05 mg/kg	Pass
Fenthion (sum of fenthion, fenthion-oxon, fenthion-oxon sulfone, fenthion-oxon sulfoxide, fenthion sulfone and fenthion sulfoxide)	0.05 mg/kg	<0.05 mg/kg	Pass
Fenvalerate	1.5 mg/kg	<1.5 mg/kg	Pass
Flucythrinate	0.05 mg/kg	<0.05 mg/kg	Pass
Fluvalinate, tau-	0.05 mg/kg	<0.05 mg/kg	Pass
Fonofos	0.05 mg/kg	<0.05 mg/kg	Pass
Heptachlor (sum of heptachlor and cis- and trans-heptachlor epoxides)	0.05 mg/kg	<0.05 mg/kg	Pass
Hexachlorobenzene	0.1 mg/kg	<0.1 mg/kg	Pass
Hexachlorocyclohexane isomers (other than gamma)	0.3 mg/kg	<0.3 mg/kg	Pass
Lindane (gamma-hexachlorocyclohexane)	0.6 mg/kg	<0.6 mg/kg	Pass
Malathion and malaoxon (sum of)	1 mg/kg	<1 mg/kg	Pass
Mecarbam	0.05 mg/kg	<0.05 mg/kg	Pass
Methacriphos	0.05 mg/kg	<0.05 mg/kg	Pass
Methamidophos	0.05 mg/kg	<0.05 mg/kg	Pass
Methidathion	0.2 mg/kg	<0.2 mg/kg	Pass
Methoxychlor	0.05 mg/kg	<0.05 mg/kg	Pass

* This analysis or component is not ISO accredited.

Certificate of Analysis

Elixinol, LLC

555 Burbank St. Unit J
Broomfield Colorado 80020 United States

Sample Name:	960035	Eurofins Sample:	8544208
Project ID	ELIXINOL-20190618-0042	Receipt Date	19-Jun-2019
PO Number	CVD	Receipt Condition	Ambient temperature
Lot Number	960035	Login Date	18-Jun-2019
Sample Serving Size		Date Started	24-Jun-2019
		Online Order	13484-11CB9A91

Analysis	Limit	Result	Pass/Fail
USP <561> Pesticides			
Mirex	0.01 mg/kg	<0.01 mg/kg	Pass
Monocrotophos	0.1 mg/kg	<0.1 mg/kg	Pass
Parathion-ethyl and paraoxon-ethyl (sum of)	0.5 mg/kg	<0.5 mg/kg	Pass
Parathion-methyl and paraoxon-methyl (sum of)	0.2 mg/kg	<0.2 mg/kg	Pass
Pendimethalin	0.1 mg/kg	<0.1 mg/kg	Pass
Pentachloranisol	0.01 mg/kg	<0.01 mg/kg	Pass
Permethrin (sum of isomers)	1 mg/kg	<1 mg/kg	Pass
Phosalone	0.1 mg/kg	<0.1 mg/kg	Pass
Phosmet	0.05 mg/kg	<0.05 mg/kg	Pass
Piperonyl butoxide	3 mg/kg	<3 mg/kg	Pass
Pirimiphos-ethyl	0.05 mg/kg	<0.05 mg/kg	Pass
Pirimiphos-methyl (sum of pirimiphos-methyl and N-desethyl-pirimiphos-methyl)	4 mg/kg	<4 mg/kg	Pass
Procymidone	0.1 mg/kg	<0.1 mg/kg	Pass
Profenophos	0.1 mg/kg	<0.1 mg/kg	Pass
Prothiophos	0.05 mg/kg	<0.05 mg/kg	Pass
Pyrethrum (sum of cinerin I, cinerin II, jasmolin I, jasmolin II, pyrethrin I, and pyrethrin II)	3 mg/kg	<3 mg/kg	Pass
Quinalphos	0.05 mg/kg	<0.05 mg/kg	Pass
Quintozene (sum of quintozene, pentachloroaniline and methyl pentachlorophenyl sulfide)	1 mg/kg	<1 mg/kg	Pass
S-421	0.02 mg/kg	<0.02 mg/kg	Pass
Tecnazene	0.05 mg/kg	<0.05 mg/kg	Pass
Tetradifon	0.3 mg/kg	<0.3 mg/kg	Pass
Vinclozolin	0.4 mg/kg	<0.4 mg/kg	Pass

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

* This analysis or component is not ISO accredited.

Certificate of Analysis

Elixinol, LLC

555 Burbank St. Unit J
Broomfield Colorado 80020 United States

Sample Name:	960035	Eurofins Sample:	8544208
Project ID	ELIXINOL-20190618-0042	Receipt Date	19-Jun-2019
PO Number	CVD	Receipt Condition	Ambient temperature
Lot Number	960035	Login Date	18-Jun-2019
Sample Serving Size		Date Started	24-Jun-2019
		Online Order	13484-11CB9A91

Analysis	LOQ	Limit	Result	Pass/Fail
Residual Solvents - Class 1, 2a, 2b and 3 *				
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
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

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Certificate of Analysis

Elixinol, LLC

555 Burbank St. Unit J
Broomfield Colorado 80020 United States

Sample Name:	960035	Eurofins Sample:	8544208
Project ID	ELIXINOL-20190618-0042	Receipt Date	19-Jun-2019
PO Number	CVD	Receipt Condition	Ambient temperature
Lot Number	960035	Login Date	18-Jun-2019
Sample Serving Size		Date Started	24-Jun-2019
		Online Order	13484-11CB9A91

Analysis	LOQ	Limit	Result	Pass/Fail
Residual Solvents - Class 1, 2a, 2b and 3 *				
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
-------------------	------------------

Aerobic Plate Count (APC)

FDA BAM Ch. 3
AOAC 966.23
CMMEF Ch. 8

Food Integ. Innovation-Madison NE

Bromide per USP <561> (MEBR_PKG)

Food Integ. Innovation-Greenfield

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Certificate of Analysis

Elixinol, LLC

555 Burbank St. Unit J

Broomfield Colorado 80020 United States

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

Bromide per USP <561> (MEBR_PKG)

Food Integ. Innovation-Greenfield

Community Reference Laboratory for Single Residue Methods, CVUA, Stuttgart, Schaglandstr 3/2, 70736 Fellbach, Germany.

T. Stijve, Gas Chromatographic Determination of Inorganic Bromide Residues - a Simplified Procedure, Dtsch. Lebenm Rundschr 77 99-101 (1981).

Deutsche Forschungsgemeinschaft (DFG), Manual of Pesticide Residue Analysis, Volume I by Verlag Chemie, 1987 ISBN 3-527-27010-8

E.coli and Coliforms (Petrifilm) (ECCOLIPET)

Food Integ. Innovation-Madison NE

AOAC 991.14

Elements by ICP Mass Spectrometry (ICP_MS_S)

Food Integrity Innovation-Madison

Official Methods of Analysis, Method 2011.19 and 993.14, AOAC INTERNATIONAL, (Modified).

Pequette, L.H., Szabo, A., Thompson, J.J., "Simultaneous Determination of Chromium, Selenium, and Molybdenum in Nutritional Products by Inductively Coupled Plasma/Mass Spectrometry: Single-Laboratory Validation," Journal of AOAC International, 94(4): 1240 - 1252 (2011).

Glyphosate and AMPA (GLY_AMPA_S)

Food Integ. Innovation-Greenfield

Monsanto Company Method ME-1466-02, "High Throughput Assay for Glyphosate and AMPA in Raw Agricultural Commodities and Processed Fractions Using LC/MS/MS".

Industrial Hemp Cannabinoid Profile (IHCBDS)

Food Integrity Innovation-Boulder

Official Methods of Analysis, Method 2018.11, AOAC INTERNATIONAL, (Modified). Lukas Vaclavik, Frantisek Benes, Alex Krmela, Veronika Svobodova, Jana Hajsolva and Katerina Mastovska, "Quantification of Cannabinoids in Cannabis Dried Plant Materials, Concentrates, and Oils Liquid Chromatography-Diode Array Detection Technique with Optional Mass Spectrometric Detection," First Action Method, Journal of AOAC International, Future Issue

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).

Total Content of Dithiocarbamates (DTCs) expressed as CS2 per USP <561> (DTC_PKG)

Food Integ. Innovation-Greenfield

Hayama, T. and Takada, M., "Simple and Rapid method for the determination of Ethylenebisdithiocarbamate Fungicides in Fruits and Vegetables Using Liquid Chromatography with Tandem Mass Spectrometry," *Anal. Bioanal. Chem.*, 392:969-976 (2008).

* This analysis or component is not ISO accredited.

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Certificate of Analysis

Elixinol, LLC

555 Burbank St. Unit J
Broomfield Colorado 80020 United States

Method References

Testing Location

USP <561> Pesticides (PS01_SA_S)

Food Integ. Innovation-Greenfield

Official Methods of Analysis, AOAC Official Method 2007.01, Pesticide Residues in Foods by Acetonitrile Extraction and Partitioning with Magnesium Sulfate, AOAC INTERNATIONAL (modified).

CEN Standard Method EN 15662: Food of plant origin - Determination of pesticide residues using GC-MS and/or LC-MS/MS following acetonitrile extraction/partitioning and clean-up by dispersive SPE - QuEChERS method.

EP Chapter 2.8.13 Pesticide Residues, The European Pharmacopoeia

USP Chapter <561> Articles of Botanical Origin, The United States Pharmacopeia

Please contact us if you want a complete listing of all compounds determined during testing.

Yeast and Mold Plate Count (YM_SPRD)

Food Integ. Innovation-Madison NE

Compendium of Methods for the Microbiological Examination of Foods, Yeasts and Molds, 4th Edition, Chapter 20, 2001, (Modified)

Certificate of Analysis

Elixinol, LLC

555 Burbank St. Unit J
Broomfield Colorado 80020 United States

Testing Location(s)

Released on Behalf of Eurofins by

Food Integrity Innovation-Boulder

Eurofins Food Chemistry Testing US, Inc.
2830 Wilderness Pl
Boulder CO 80301
800-675-8375

Ian Laessig - Manager



AT-1816

Food Integ. Innovation-Greenfield

Eurofins Food Chemistry Testing US, Inc.
671 S. Meridian Road
Greenfield IN 46140
800-675-8375

Karelyn Koehn - Manager



2918.06

Food Integrity Innovation-Madison

Eurofins Food Chemistry Testing US, Inc.
3301 Kinsman Blvd
Madison WI 53704
800-675-8375

Edward Ladwig - Director



2918.01

Food Integ. Innovation-Madison NE

Eurofins Food Chemistry Testing US, Inc.
2102 Wright Street
Madison WI 53704
800-675-8375

Richard Higby - Director



2918.05

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Page 9 of 9