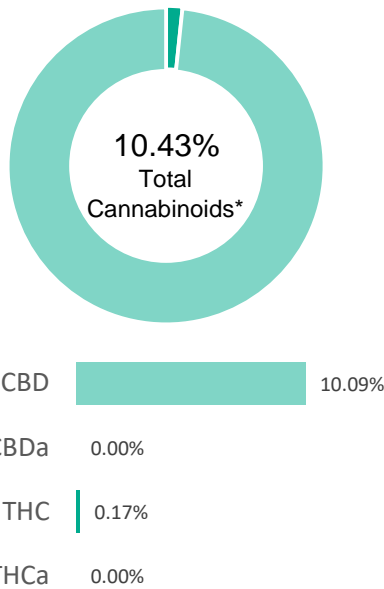


960009

Batch ID:	960009	Test ID:	1064787.003
Reported:	14-Jun-2019	Method:	TM14
Type:	Concentrate		
Test:	Potency		

CANNABINOID PROFILE


Compound	LOQ (%)	Result (%)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.16	0.00	0.0
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.08	0.17	1.7
Cannabidiolic acid (CBDA)	0.22	0.00	0.0
Cannabidiol (CBD)	0.12	10.09	100.9
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.09	0.00	0.0
Cannabinolic Acid (CBNA)	0.22	0.00	0.0
Cannabinol (CBN)	0.10	0.00	0.0
Cannabigerolic acid (CBGA)	0.14	0.00	0.0
Cannabigerol (CBG)	0.08	0.00	0.0
Tetrahydrocannabivarinic Acid (THCVA)	0.14	0.00	0.0
Tetrahydrocannabivarin (THCV)	0.07	0.00	0.0
Cannabidivarinic Acid (CBDVA)	0.21	0.00	0.0
Cannabidivarin (CBDV)	0.11	0.00	0.0
Cannabichromenic Acid (CBCA)	0.12	0.00	0.0
Cannabichromene (CBC)	0.14	0.17	1.7
Total Cannabinoids		10.43	104.30
Total Potential THC**		0.17	1.70
Total Potential CBD**		10.09	100.90


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.

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


Karen Winternheimer
 14-Jun-2019
 1:19 PM

PREPARED BY / DATE



David Green
 14-Jun-2019
 1:26 PM

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



960009

Batch ID:	960009	Test ID:	1848112.005
Reported:	14-Jun-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:

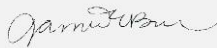
Free from visual mold, mildew, and foreign matter

TYM: None Detected

Total Aerobic: None Detected

Coliforms: None Detected

FINAL APPROVAL


Jamie Bunker
14-Jun-2019
4:52 PM
David Green
14-Jun-2019
5:44 PM

PREPARED BY / DATE

APPROVED BY / DATE

Testing results are based solely upon the sample submitted to Botanacor Services, LLC, in the condition it was received. Botanacor Services, 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 Services, LLC.



prepared for: ELIXINOL
555 BURBANK ST. UNIT J
BROOMFIELD, CO 80020

960009

Batch ID:	960009	Test ID:	3569944.010
Reported:	13-Jun-2019	Method:	TM04
Type:	Concentrate		
Test:	Residual Solvents		

RESIDUAL SOLVENTS

Solvent	Reportable Range (ppm)	Result (ppm)
Propane	100 - 2000	0
Butanes (Isobutane, n-Butane)	100 - 2000	0
Pentane	100 - 2000	0
Ethanol	100 - 2000	103
Acetone	100 - 2000	0
Isopropyl Alcohol	100 - 2000	0
Hexane	6 - 120	0
Benzene	0.2 - 4	0.0
Heptanes	100 - 2000	0
Toluene	18 - 360	0
Xylenes (m,p,o-Xylenes)	43 - 860	0

NOTES:

Free from visual mold, mildew, and foreign matter.

FINAL APPROVAL

	Sam Smith 13-Jun-2019 1:01 PM		Greg Zimpfer 13-Jun-2019 1:06 PM
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PREPARED BY / DATE

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



Certificate #4329.02

Certificate of Analysis

Elixinol, LLC

555 Burbank Street
Unit J
Broomfield Colorado 80020 United States

Sample Name:	960009	Eurofins Sample:	8569387
Project ID	ELIXINOL-20190624-0049	Receipt Date	11-Jun-2019
PO Number	Charge/AMEX	Receipt Condition	Ambient temperature
Lot Number	960009	Login Date	24-Jun-2019
Sample Serving Size		Date Started	25-Jun-2019
Description	EFII-BOU-19-3084		

Analysis

Result

Metals Analysis by ICP-MS

Arsenic	<0.0764 ppm
Cadmium	<0.0191 ppm
Lead	<0.0191 ppm
Mercury	<0.00956 ppm

Multi-Residue Analysis for hemp products - 60+ compounds

Matrix Type - To Determine Limit of Quantification (LOQ)	Spices - Botanicals - and other Specialty Samples
Abamectin	<0.05 mg/kg
Aldicarb	<0.05 mg/kg
Aldicarb sulfone (Aldoxycarb)	<0.05 mg/kg
Aldicarb sulfoxide	<0.05 mg/kg
Azoxystrobin	<0.05 mg/kg
Bifenazate	<0.05 mg/kg
Bifenthrin	<0.05 mg/kg
Carbaryl	<0.05 mg/kg
Carbofuran	<0.05 mg/kg
Carbofuran-3-hydroxy-	<0.05 mg/kg
Chlorantraniliprole	<0.05 mg/kg
Chlordane, cis-	<0.05 mg/kg
Chlordane, trans-	<0.05 mg/kg
Chlorfenapyr	non-analyzable
Chlorpyrifos	<0.05 mg/kg
Coumaphos	<0.05 mg/kg
Cyfluthrin	<0.05 mg/kg
Cypermethrin	<0.05 mg/kg
Cyproconazole (2 diastereoisomers)	<0.05 mg/kg
Cyprodinil	<0.05 mg/kg
Dichlorvos	<0.05 mg/kg
Diclobutrazol	<0.05 mg/kg

Certificate of Analysis

Elixinol, LLC

555 Burbank Street
Unit J
Broomfield Colorado 80020 United States

Sample Name:	960009	Eurofins Sample:	8569387
Project ID	ELIXINOL-20190624-0049	Receipt Date	11-Jun-2019
PO Number	Charge/AMEX	Receipt Condition	Ambient temperature
Lot Number	960009	Login Date	24-Jun-2019
Sample Serving Size		Date Started	25-Jun-2019
Description	EFII-BOU-19-3084		

Analysis

Result

Multi-Residue Analysis for hemp products - 60+ compounds

Dipropetryn	<0.05 mg/kg
Disulfoton	<0.05 mg/kg
Endosulfan I (alpha-isomer)	<0.05 mg/kg
Endosulfan II (beta-isomer)	<0.05 mg/kg
Endosulfan sulfate	<0.05 mg/kg
Epoxiconazole	<0.05 mg/kg
Ethiofencarb	<0.05 mg/kg
Etofenprox	<0.05 mg/kg
Etoxazole	<0.05 mg/kg
Fenoxycarb	<0.05 mg/kg
Fenpropathrin	<0.05 mg/kg
Fenvalerate/Esfenvalerate (sum of isomers)	<0.05 mg/kg
Fipronil	<0.05 mg/kg
Fipronil desulfinyl	<0.05 mg/kg
Fipronil sulfone	<0.05 mg/kg
Imazalil	<0.05 mg/kg
Imidacloprid	<0.05 mg/kg
Malathion	<0.05 mg/kg
Methiocarb	<0.05 mg/kg
Methiocarb sulfone	<0.05 mg/kg
Methiocarb sulfoxide	<0.05 mg/kg
Methomyl	<0.05 mg/kg
Metolachlor	<0.05 mg/kg
Mevinphos (E- and Z-isomers)	<0.05 mg/kg
Myclobutanil	<0.05 mg/kg
Naled (Dibrom)	<0.05 mg/kg
Paclobutrazol	<0.05 mg/kg
Permethrin (sum of isomers)	<0.05 mg/kg

Certificate of Analysis

Elixinol, LLC

555 Burbank Street
Unit J
Broomfield Colorado 80020 United States

Sample Name:	960009	Eurofins Sample:	8569387
Project ID	ELIXINOL-20190624-0049	Receipt Date	11-Jun-2019
PO Number	Charge/AMEX	Receipt Condition	Ambient temperature
Lot Number	960009	Login Date	24-Jun-2019
Sample Serving Size		Date Started	25-Jun-2019
Description	EFII-BOU-19-3084		

Analysis

Result

Multi-Residue Analysis for hemp products - 60+ compounds

Propoxur	<0.05 mg/kg
Pyrethrum (total)	<0.50 mg/kg
Spinetoram (spinosyns J and L)	<0.05 mg/kg
Spinosad (spinosyns A and D)	<0.05 mg/kg
Spirodiclofen	<0.05 mg/kg
Spiromesifen	<0.05 mg/kg
Spiromesifen enol	<0.05 mg/kg
Spirotetramat	<0.05 mg/kg
Spiroxamine (2 diastereoisomers)	<0.05 mg/kg
Tebuconazole	<0.05 mg/kg
Thiabendazole	<0.05 mg/kg
Thiabendazole-5-hydroxy-	<0.05 mg/kg
Thiacloprid	<0.05 mg/kg
Trifloxystrobin	<0.05 mg/kg

Method References

Testing Location

Metals Analysis by ICP-MS (ICP_MS_B_S)

Food Integrity Innovation-Boulder

Methods for the Determination of Metals in Environmental Standards - Supplement 1, EPA-600/R-94-111, May 1994.

"Determination of Metals and Trace Elements in Water and Wastes by Inductively Coupled Plasma-Mass Spectrometry", USEPA Method 200.8, Revision 5.1, EMMC Version.

Multi-Residue Analysis for hemp products - 60+ compounds (PEST_HEMP)

Food Integ. Innovation-Greenfield

Certificate of Analysis

Elixinol, LLC

555 Burbank Street
Unit J
Broomfield Colorado 80020 United States

Method References

Testing Location

Multi-Residue Analysis for hemp products - 60+ compounds (PEST_HEMP)

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.

List of the tested pesticides and their limits of quantification (LOQs) are available upon request.

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

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