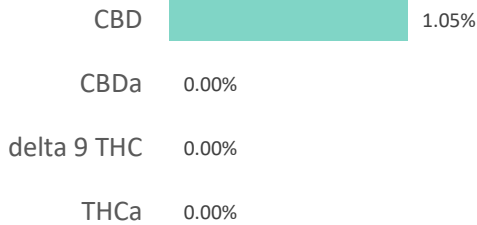
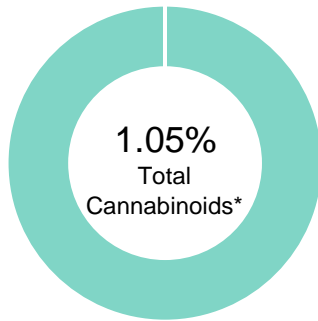


930047

Batch ID:	930047	Test ID:	5274885.0013
Reported:	22-Mar-2019	Method:	TM14
Type:	Concentrate		
Test:	Potency		

CANNABINOID PROFILE


Compound	LOQ (%)	Result (%)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.10	0.00	0.0
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.05	0.00	0.0
Cannabidiolic acid (CBDA)	0.10	0.00	0.0
Cannabidiol (CBD)	0.06	1.05	10.5
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.05	0.00	0.0
Cannabinolic Acid (CBNA)	0.13	0.00	0.0
Cannabinol (CBN)	0.06	0.00	0.0
Cannabigerolic acid (CBGA)	0.09	0.00	0.0
Cannabigerol (CBG)	0.05	0.00	0.0
Tetrahydrocannabivarinic Acid (THCVa)	0.08	0.00	0.0
Tetrahydrocannabivarin (THCV)	0.04	0.00	0.0
Cannabidivarinic Acid (CBDVA)	0.09	0.00	0.0
Cannabidivarin (CBDV)	0.05	0.00	0.0
Cannabichromenic Acid (CBCA)	0.07	0.00	0.0
Cannabichromene (CBC)	0.09	0.00	0.0
Total Cannabinoids		1.05	10.50
Total Potential THC**		0.00	0.00
Total Potential CBD**		1.05	10.50

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.

Total THC = THC + (THCa *(0.877)) and Total CBD = CBD + (CBDa *(0.877))

FINAL APPROVAL


Sam Smith
22-Mar-2019
2:39 PM



David Green
22-Mar-2019
4:18 PM

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

930047

Batch ID: 930047

Reported: 24-Mar-2019

Type: Concentrate

Test: Micro

MICROBIAL CONTAMINANTS

Test	Result	Unit
Total Aerobic Count	None Detected	CFU/g
Total Coliforms	None Detected	CFU/g
Total Yeast and Molds	None Detected	CFU/g
<i>E. coli</i>	None Detected	CFU/g
<i>Salmonella</i>	None Detected	CFU/g

* CFU/g = Colony Forming Unit per Gram

** Total Yeast and Molds values are 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.

FINAL APPROVAL

Vicente Contreras
24-Mar-2019
6:20 PMMike Branvold
24-Mar-2019
7:37 PM

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.

930047

Batch ID:	N/A	Test ID:	9829267.020
Reported:	22-Mar-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	0
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
 22-Mar-2019
 1:28 PM


 David Green
 22-Mar-2019
 1:58 PM

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:	930047	Eurofins Sample:	8284896
Project ID	ELIXINOL-20190326-0020	Receipt Date	26-Mar-2019
PO Number	Charge/AMEX	Receipt Condition	Ambient temperature
Lot Number	930047	Login Date	26-Mar-2019
Sample Serving Size		Date Started	26-Mar-2019

Analysis

Result

Metals Analysis by ICP-MS

Arsenic	<0.0770 ppm
Cadmium	<0.0192 ppm
Lead	<0.0192 ppm
Mercury	<0.00962 ppm

Multi-Residue Analysis for hemp products - 60+ compounds

Matrix Type - To Determine Limit of Quantification (LOQ)

Spices - Botanicals - and other
Specialty Samples
non-analyzable

Abamectin	
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
Dipropetryn	<0.05 mg/kg

Certificate of Analysis

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Broomfield Colorado 80020 United States

Sample Name:	930047	Eurofins Sample:	8284896
Project ID	ELIXINOL-20190326-0020	Receipt Date	26-Mar-2019
PO Number	Charge/AMEX	Receipt Condition	Ambient temperature
Lot Number	930047	Login Date	26-Mar-2019
Sample Serving Size		Date Started	26-Mar-2019

Analysis

Result

Multi-Residue Analysis for hemp products - 60+ compounds

Disulfoton	<0.05 mg/kg
Endosulfan I (alpha-isomer)	<0.05 mg/kg
Endosulfan II (beta-isomer)	<0.05 mg/kg
Endosulfan sulfate	non-analyzable
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
Propoxur	<0.05 mg/kg
Pyrethrum (total)	<0.50 mg/kg
Spinetoram (spinosyns J and L)	<0.05 mg/kg

Certificate of Analysis

Elixinol, LLC

555 Burbank Street, Unit J
Broomfield Colorado 80020 United States

Sample Name:	930047	Eurofins Sample:	8284896
Project ID	ELIXINOL-20190326-0020	Receipt Date	26-Mar-2019
PO Number	Charge/AMEX	Receipt Condition	Ambient temperature
Lot Number	930047	Login Date	26-Mar-2019
Sample Serving Size		Date Started	26-Mar-2019

Analysis

Result

Multi-Residue Analysis for hemp products - 60+ compounds

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

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.

Certificate of Analysis

Elixinol, LLC

555 Burbank Street, Unit J
Broomfield Colorado 80020 United States

Testing Location(s)

Released on Behalf of Eurofins by

Food Integrity Innovation-Boulder

Ian Laessig - Manager

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



AT-1816

Food Integ. Innovation-Greenfield

Karelyn Koehn - Manager

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



2918.06

Eurofins Food Integrity and Innovation accepts all liability for work conducted as of 01 Aug 2018.

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