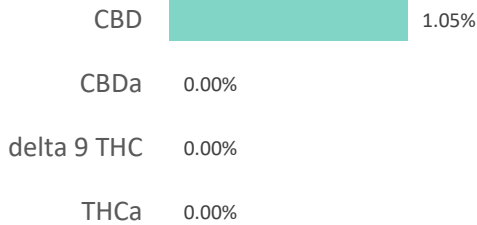
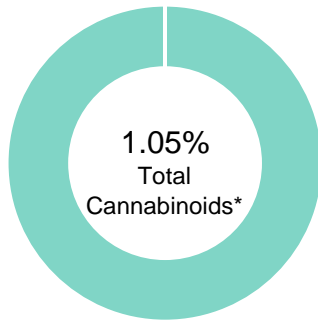


**940002**

<b>Batch ID:</b>	N/A	<b>Test ID:</b>	7128553.0024
<b>Reported:</b>	4-Apr-2019	<b>Method:</b>	TM14
<b>Type:</b>	Concentrate		
<b>Test:</b>	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)	0.08	0.00	0.0
Cannabidiol (CBD)	0.04	1.05	10.5
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)	0.07	0.00	0.0
Cannabigerol (CBG)	0.04	0.00	0.0
Tetrahydrocannabivarinic Acid (THCVa)	0.07	0.00	0.0
Tetrahydrocannabivarin (THCV)	0.04	0.00	0.0
Cannabidivarinic Acid (CBDVA)	0.07	0.00	0.0
Cannabidivarin (CBDV)	0.04	0.00	0.0
Cannabichromenic Acid (CBCA)	0.06	0.00	0.0
Cannabichromene (CBC)	0.08	0.00	0.0
<b>Total Cannabinoids</b>		<b>1.05</b>	<b>10.50</b>
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**  
 4-Apr-2019  
 1:56 PM


**David Green**  
 4-Apr-2019  
 2:11 PM

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

940002

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**Batch ID:** 940002

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**Reported:** 5-Apr-2019

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**Type:** Concentrate

---

**Test:** Micro

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**MICROBIAL CONTAMINANTS**

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Test	Result	Unit
<b>Total Aerobic Count</b>	None Detected	CFU/g
<b>Total Coliforms</b>	None Detected	CFU/g
<b>Total Yeast and Molds</b>	None Detected	CFU/g
<b><i>E. coli</i></b>	None Detected	CFU/g
<b><i>Salmonella</i></b>	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  
5-Apr-2019  
11:33 AMDavid Green  
5-Apr-2019  
1:38 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.

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

940002

<b>Batch ID:</b>	940002	<b>Test ID:</b>	5383924.025
<b>Reported:</b>	4-Apr-2019	<b>Method:</b>	TM04
<b>Type:</b>	Concentrate		
<b>Test:</b>	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  
4-Apr-2019  
7:06 AM

David Green  
4-Apr-2019  
8:13 AM

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

<b>Sample Name:</b>	<b>940002</b>	<b>Eurofins Sample:</b>	<b>8317389</b>
<b>Project ID</b>	ELIXINOL-20190404-0023	<b>Receipt Date</b>	04-Apr-2019
<b>PO Number</b>	Charge/AMEX	<b>Receipt Condition</b>	Ambient temperature
<b>Lot Number</b>	940002	<b>Login Date</b>	04-Apr-2019
<b>Sample Serving Size</b>		<b>Date Started</b>	04-Apr-2019

#### Analysis

#### Result

##### Metals Analysis by ICP-MS

Arsenic	<0.0797 ppm
Cadmium	<0.0199 ppm
Lead	<0.0199 ppm
Mercury	<0.00997 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
Dipropetryn	<0.05 mg/kg

## Certificate of Analysis

### Elixinol, LLC

555 Burbank Street  
Unit J  
Broomfield Colorado 80020 United States

<b>Sample Name:</b>	<b>940002</b>	<b>Eurofins Sample:</b>	<b>8317389</b>
<b>Project ID</b>	ELIXINOL-20190404-0023	<b>Receipt Date</b>	04-Apr-2019
<b>PO Number</b>	Charge/AMEX	<b>Receipt Condition</b>	Ambient temperature
<b>Lot Number</b>	940002	<b>Login Date</b>	04-Apr-2019
<b>Sample Serving Size</b>		<b>Date Started</b>	04-Apr-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)	non-analyzable
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
Propoxur	<0.05 mg/kg
Pyrethrum (total)	<0.50 mg/kg

## Certificate of Analysis

### Elixinol, LLC

555 Burbank Street  
Unit J  
Broomfield Colorado 80020 United States

<b>Sample Name:</b>	<b>940002</b>	<b>Eurofins Sample:</b>	<b>8317389</b>
<b>Project ID</b>	ELIXINOL-20190404-0023	<b>Receipt Date</b>	04-Apr-2019
<b>PO Number</b>	Charge/AMEX	<b>Receipt Condition</b>	Ambient temperature
<b>Lot Number</b>	940002	<b>Login Date</b>	04-Apr-2019
<b>Sample Serving Size</b>		<b>Date Started</b>	04-Apr-2019

#### Analysis

#### Result

#### Multi-Residue Analysis for hemp products - 60+ compounds

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	non-analyzable
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.

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.