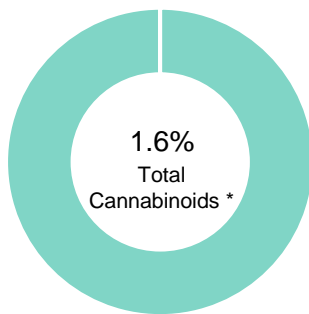
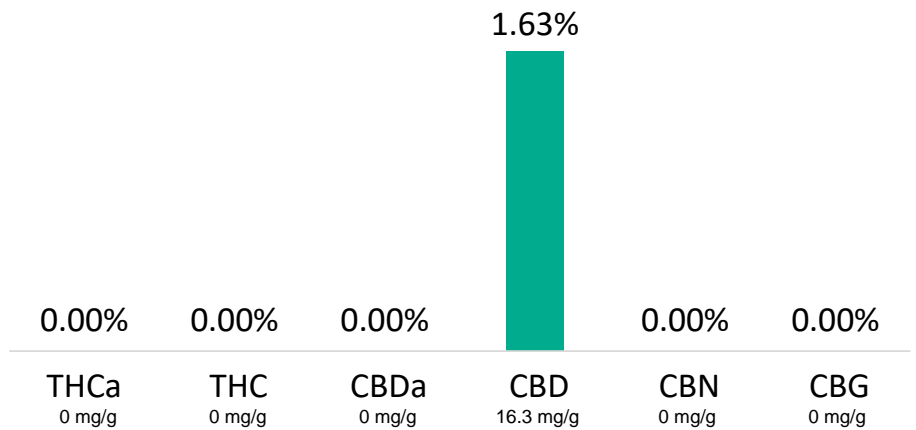


930020

<b>Batch ID:</b>	N/A	<b>Test ID:</b>	9338316.018
<b>Reported:</b>	8-Mar-2019	<b>Method:</b>	TM01
<b>Type:</b>	Concentrate		
<b>Test:</b>	Potency		

**CANNABINOID PROFILE**


- Total Potential THC 0% \*\*
- Total Potential CBD 1.63% \*\*



\* 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))

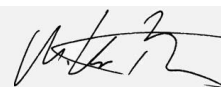
% = % (w/w) = Percent (Weight of Analyte / Weight of Product)

**NOTES:**

Free from visual mold, mildew, and foreign matter.

**FINAL APPROVAL**

 Karen Winternheimer  
8-Mar-2019  
5:29 PM

 Mike Branvold  
8-Mar-2019  
5:32 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



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

930020

<b>Batch ID:</b>	N/A
<b>Reported:</b>	12-Mar-2019
<b>Type:</b>	Concentrate
<b>Test:</b>	Micro

### MICROBIAL CONTAMINANTS

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  
 12-Mar-2019  
 10:25 AM

  
 David Green  
 12-Mar-2019  
 10:38 AM

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.*

930020

<b>Batch ID:</b>	N/A	<b>Test ID:</b>	5383650.028
<b>Reported:</b>	11-Mar-2019	<b>Method:</b>	TM04
<b>Type:</b>	Concentrate		
<b>Test:</b>	Residual Solvents		

## RESIDUAL SOLVENTS

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

### NOTES:

Free from visual mold, mildew, and foreign matter.

## FINAL APPROVAL



 Sam Smith  
 11-Mar-2019  
 5:39 AM



 David Green  
 11-Mar-2019  
 7:53 AM

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

<b>Sample Name:</b>	<b>930020</b>	<b>Eurofins Sample:</b>	<b>8237826</b>
<b>Project ID</b>	ELIXINOL-20190312-0016	<b>Receipt Date</b>	12-Mar-2019
<b>PO Number</b>	CVD	<b>Receipt Condition</b>	Ambient temperature
<b>Lot Number</b>	930020	<b>Login Date</b>	12-Mar-2019
<b>Sample Serving Size</b>			

Analysis	Result
<b>Metals Analysis by ICP-MS</b>	
Arsenic	<0.0765 ppm
Cadmium	<0.0191 ppm
Lead	<0.0191 ppm
Mercury	<0.00956 ppm
<b>Multi-Residue Analysis for hemp products - 60+ compounds</b>	
Matrix Type - To Determine Limit of Quantification (LOQ)	High-Fat Food Matrices
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	non-analyzable
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	<0.05 mg/kg
Chlorpyrifos	non-analyzable
Coumaphos	<0.05 mg/kg
Cyfluthrin	<0.05 mg/kg
Cypermethrin	non-analyzable
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
Disulfoton	<0.05 mg/kg

## Certificate of Analysis

### Elixinol, LLC

555 Burbank Street, Unit J  
Broomfield Colorado 80020 United States

<b>Sample Name:</b>	<b>930020</b>	<b>Eurofins Sample:</b>	<b>8237826</b>
<b>Project ID</b>	ELIXINOL-20190312-0016	<b>Receipt Date</b>	12-Mar-2019
<b>PO Number</b>	CVD	<b>Receipt Condition</b>	Ambient temperature
<b>Lot Number</b>	930020	<b>Login Date</b>	12-Mar-2019
<b>Sample Serving Size</b>			

Analysis	Result
<b>Multi-Residue Analysis for hemp products - 60+ compounds</b>	
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	non-analyzable
Imazalil	<0.05 mg/kg
Imidacloprid	<0.05 mg/kg
Malathion	0.031 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)	non-analyzable
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

## Certificate of Analysis

### Elixinol, LLC

555 Burbank Street, Unit J  
Broomfield Colorado 80020 United States

<b>Sample Name:</b>	<b>930020</b>	<b>Eurofins Sample:</b>	<b>8237826</b>
<b>Project ID</b>	ELIXINOL-20190312-0016	<b>Receipt Date</b>	12-Mar-2019
<b>PO Number</b>	CVD	<b>Receipt Condition</b>	Ambient temperature
<b>Lot Number</b>	930020	<b>Login Date</b>	12-Mar-2019
<b>Sample Serving Size</b>			

Analysis	Result
<b>Multi-Residue Analysis for hemp products - 60+ compounds</b>	
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
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<b>Metals Analysis by ICP-MS (ICP_MS_B_S)</b>	<b>Food Integrity Innovation-Boulder</b>
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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.

<b>Multi-Residue Analysis for hemp products - 60+ compounds (PEST_HEMP)</b>	<b>Food Integ. Innovation-Greenfield</b>
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*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

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**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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