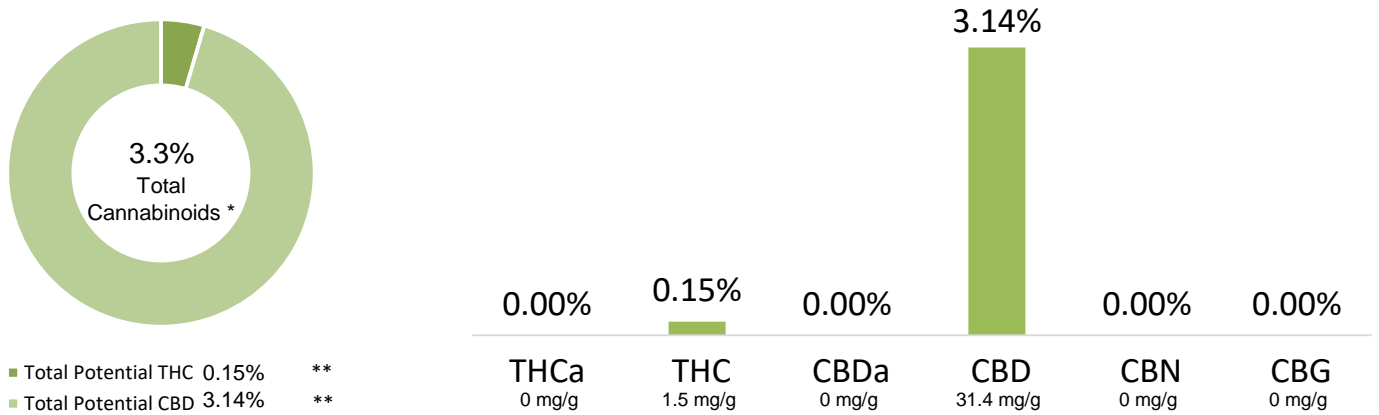


910033

<b>Batch ID:</b>	N/A	<b>Test ID:</b>	6897840.032
<b>Reported:</b>	21-Jan-2019	<b>Method:</b>	TM01
<b>Type:</b>	Concentrate		
<b>Test:</b>	Potency		

CANNABINOID PROFILE



\* 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

  
Alex Smith  
21-Jan-2019  
8:08 AM

  
David Green  
21-Jan-2019  
8:15 AM

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. ISO/IEC 17025:2005 Accredited A2LA Certificate Number 4329.02



Certificate #4329.02

910033

**Batch ID:** N/A

**Reported:** 19-Jan-2019

**Type:** Infused Product

**Test:** 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  
19-Jan-2019  
9:36 AM

PREPARED BY / DATE



Mike Branvold  
19-Jan-2019  
7:00 PM

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.

910033

<b>Batch ID:</b>	N/A	<b>Test ID:</b>	9375120.012
<b>Reported:</b>	21-Jan-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  
21-Jan-2019  
12:07 PM

  
David Green  
21-Jan-2019  
12:43 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. ISO/IEC 17025:2005 Accredited A2LA Certificate Number 4329.02



Certificate #4329.02

## Certificate of Analysis

**Elixinol, LLC**  
 555 Burbank Street, Unit J  
 Broomfield, CO 80020

<b>Sample Name:</b>	910033	<b>Eurofins Sample:</b>	8072785
<b>Project ID</b>	ELIXINOL-20190121-0004	<b>Receipt Date</b>	21-Jan-19
<b>PO Number</b>	Not Provided	<b>Receipt Condition</b>	Ambient
<b>Lot Number</b>	910033	<b>Login Date</b>	21-Jan-19
<b>Sample Serving Size</b>	NA		

Analysis	Specification	Result
<b>Metals Testing: ICP-MS for 4 Elements</b>		
Arsenic	NA	< 0.078 ppm
Cadmium	NA	< 0.020 ppm
Lead	NA	< 0.020 ppm
Mercury	NA	< 0.0098 ppm

Method References	Testing Location
<b>Metals Testing: ICP-MS for 4 Elements (CDA-00100497-ARS)</b> 99.1-CDXA-4.0-000615	<b>Food Integrity Innovation- Eurofins Botanical Testing, US, Inc.</b>

Testing Location(s)	Released on Behalf of Eurofins by
<b>Food Integrity Innovation-Eurofins Botanical Testing, US, Inc.</b> Eurofins Botanical Testing, US, Inc. 2830 Wilderness Pl Boulder CO 80301 United States	<b>Ian Laessig – Site Manager</b>



Verified: John Arko

QA Approved:

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.

## Certificate of Analysis

### Elixinol, LLC

555 Burbank Street, Unit J  
Broomfield, CO 80020

<b>Sample Name:</b>	<b>910033</b>	<b>Eurofins Sample:</b>	<b>8072785</b>
<b>Project ID</b>	ELIXINOL-20190121-0004	<b>Receipt Date</b>	21-Jan-2019
<b>PO Number</b>	Not Provided	<b>Receipt Condition</b>	Ambient temperature
<b>Lot Number</b>	910033	<b>Login Date</b>	21-Jan-2019
<b>Sample Serving Size</b>	N/A		

### Analysis

### Result

#### 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
Disulfoton	<0.05 mg/kg
Endosulfan I (alpha-isomer)	<0.05 mg/kg
Endosulfan II (beta-isomer)	<0.05 mg/kg

## Certificate of Analysis

### Elixinol, LLC

555 Burbank Street, Unit J  
Broomfield, CO 80020

<b>Sample Name:</b>	<b>910033</b>	<b>Eurofins Sample:</b>	<b>8072785</b>
<b>Project ID</b>	ELIXINOL-20190121-0004	<b>Receipt Date</b>	21-Jan-2019
<b>PO Number</b>	Not Provided	<b>Receipt Condition</b>	Ambient temperature
<b>Lot Number</b>	910033	<b>Login Date</b>	21-Jan-2019
<b>Sample Serving Size</b>	N/A		

Analysis	Result
<b>Multi-Residue Analysis for hemp products - 60+ compounds</b>	
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
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
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

## Certificate of Analysis

Elixinol, LLC

555 Burbank Street, Unit J  
Broomfield, CO 80020

<b>Sample Name:</b>	<b>910033</b>	<b>Eurofins Sample:</b>	<b>8072785</b>
<b>Project ID</b>	ELIXINOL-20190121-0004	<b>Receipt Date</b>	21-Jan-2019
<b>PO Number</b>	Not Provided	<b>Receipt Condition</b>	Ambient temperature
<b>Lot Number</b>	910033	<b>Login Date</b>	21-Jan-2019
<b>Sample Serving Size</b>	N/A		

Analysis	Result
<b>Multi-Residue Analysis for hemp products - 60+ compounds</b>	
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
Metolachlor	<0.05 mg/kg
Pyrethrum (total)	<0.50 mg/kg

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.

## Certificate of Analysis

Elixinol, LLC

555 Burbank Street, Unit J  
Broomfield, CO 80020

---

**Testing Location(s)**

**Released on Behalf of Eurofins by**

**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

**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.**

QA Verified/Approved: