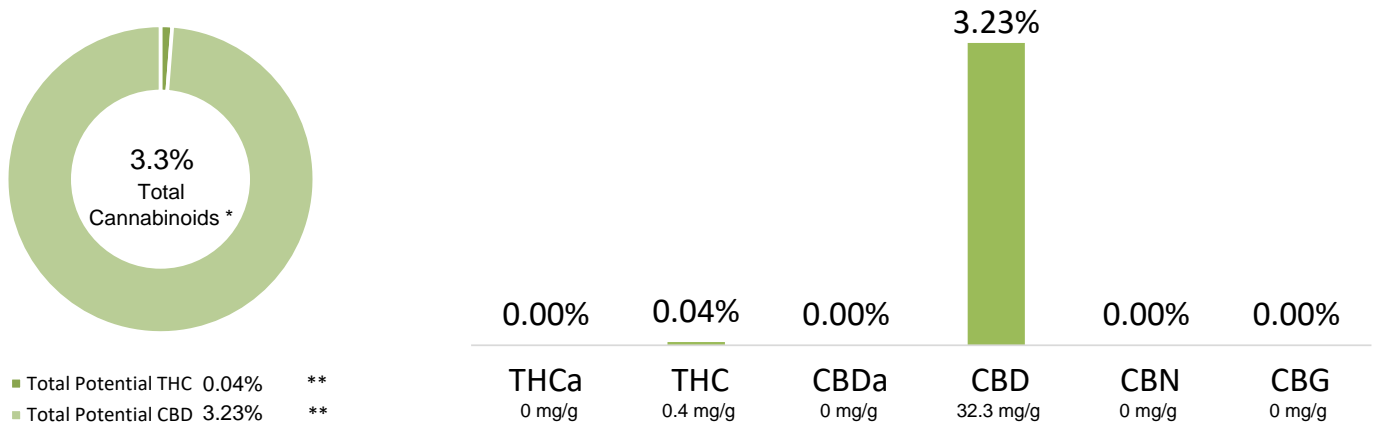


920019

Batch ID:	N/A	Test ID:	4216352.013
Reported:	12-Feb-2019	Method:	TM01
Type:	Concentrate		
Test:	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

K Winternheimer
Karen Winternheimer
12-Feb-2019
3:00 PM

David Green
David Green
12-Feb-2019
3:20 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



920019

Batch ID: N/A

Reported: 16-Feb-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
16-Feb-2019
8:09 PM

PREPARED BY / DATE



Mike Branvold
16-Feb-2019
8:34 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.

920019

Batch ID:	N/A	Test ID:	2515669.022
Reported:	14-Feb-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

 Greg Zimpfer
14-Feb-2019
7:22 PM

 David Green
14-Feb-2019
7:57 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

Sample Name:	920019	Eurofins Sample:	8149390
Project ID	ELIXINOL-20190213-0011	Receipt Date	13-Feb-19
PO Number	Not Provided	Receipt Condition	Ambient
Lot Number	920019	Login Date	13-Feb-19
Sample Serving Size	NA		

Analysis	Specification	Result
Metals Testing: ICP-MS for 4 Elements		
Arsenic	NA	< 0.077 ppm
Cadmium	NA	< 0.020 ppm
Lead	NA	< 0.020 ppm
Mercury	NA	< 0.0097 ppm

Method References	Testing Location
-------------------	------------------

Metals Testing: ICP-MS for 4 Elements (CDA-00100497-ARS) 99.1-CDXA-4.0-000615	Food Integrity Innovation- Eurofins Botanical Testing.
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Testing Location(s)	Released on Behalf of Eurofins by
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Food Integrity Innovation-Eurofins Botanical Testing, US, Inc. Eurofins Botanical Testing, US, Inc. 2830 Wilderness Pl Boulder CO 80301 United States	Ian Laessig – Site Manager
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Verified: Ian Laessig

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

Sample Name:	920019	Eurofins Sample:	8149390
Project ID	ELIXINOL-20190213-0011	Receipt Date	13-Feb-2019
PO Number	Not Provided	Receipt Condition	Ambient temperature
Lot Number	920019	Login Date	13-Feb-2019
Sample Serving Size	NA		

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	0.15 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	0.031 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

Sample Name:	920019	Eurofins Sample:	8149390
Project ID	ELIXINOL-20190213-0011	Receipt Date	13-Feb-2019
PO Number	Not Provided	Receipt Condition	Ambient temperature
Lot Number	920019	Login Date	13-Feb-2019
Sample Serving Size	NA		

Analysis

Result

Multi-Residue Analysis for hemp products - 60+ compounds

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	non-analyzable
Spiromesifen	<0.05 mg/kg

Certificate of Analysis

Elixinol, LLC

555 Burbank Street, Unit J
Broomfield, CO 80020

Sample Name:	920019	Eurofins Sample:	8149390
Project ID	ELIXINOL-20190213-0011	Receipt Date	13-Feb-2019
PO Number	Not Provided	Receipt Condition	Ambient temperature
Lot Number	920019	Login Date	13-Feb-2019
Sample Serving Size	NA		

Analysis	Result
Multi-Residue Analysis for hemp products - 60+ compounds	
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	0.015 mg/kg
Metolachlor	0.032 mg/kg
Pyrethrum (total)	<0.50 mg/kg

Method References	Testing Location
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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****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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QA Verified/Approved:
