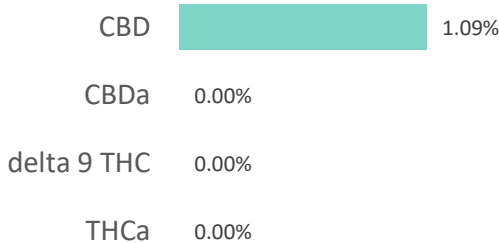
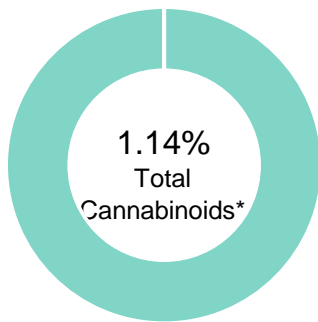


K40001

Batch ID:	K40001	Test ID:	9001997.0019
Reported:	17-Apr-2020	Method:	TM14
Type:	Concentrate		
Test:	Potency		

CANNABINOID PROFILE


Compound	LOQ (%)	Result (%)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.04	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.02	ND	ND
Cannabidiolic acid (CBDA)	0.09	ND	ND
Cannabidiol (CBD)	0.05	1.09	10.9
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.02	ND	ND
Cannabinolic Acid (CBNA)	0.05	ND	ND
Cannabinol (CBN)	0.02	ND	ND
Cannabigerolic acid (CBGA)	0.03	ND	ND
Cannabigerol (CBG)	0.02	ND	ND
Tetrahydrocannabivarinic Acid (THCVA)	0.03	ND	ND
Tetrahydrocannabivarin (THCV)	0.02	ND	ND
Cannabidivarinic Acid (CBDVA)	0.09	ND	ND
Cannabidivarin (CBDV)	0.05	ND	ND
Cannabichromenic Acid (CBCA)	0.03	ND	ND
Cannabichromene (CBC)	0.03	0.05	0.5
Total Cannabinoids		1.14	11.40
Total Potential THC**		ND	ND
Total Potential CBD**		1.09	10.90

% = % (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))
 ND = None Detected (Defined by Dynamic Range of the method)

NOTES:
N/A

FINAL APPROVAL


 Daniel Weidensaul
 17-Apr-2020
 4:50 PM


 Greg Zimpfer
 17-Apr-2020
 4:55 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



K40001

Batch ID:	K40001	Test ID:	T000071747
Reported:	23-Apr-2020	Method:	Concentrate - Test Methods: TM05, TM06
Type:	Concentrate		
Test:	Microbial Contaminants		

MICROBIAL CONTAMINANTS

Contaminant	Result (CFU/g)*
Total Aerobic Count**	None Detected
Total Coliforms**	None Detected
Total Yeast and Molds**	None Detected
<i>E. coli</i>	None Detected
<i>Salmonella</i>	None Detected

* CFU/g = Colony Forming Unit per Gram



** Values 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
TYM: None Detected
Total Aerobic: None Detected
Coliforms: None Detected

FINAL APPROVAL


Nick Tumminaro
23-Apr-2020
1:34 PM
Ben Minton
23-Apr-2020
4:48 PM

PREPARED BY / DATE

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Certificate #4329.03

Certificate of Analysis

Elixinol, LLC

555 Burbank Street
Unit J
Broomfield Colorado 80020 United States

Sample Name:	930033	Eurofins Sample:	8260645
Project ID	ELIXINOL-20190319-0018	Receipt Date	19-Mar-2019
PO Number	Charge/AMEX	Receipt Condition	Ambient temperature
Lot Number	930033	Login Date	19-Mar-2019
Sample Serving Size			

Analysis	Result
Metals Analysis by ICP-MS	
Arsenic	<0.0672 ppm
Cadmium	<0.0168 ppm
Lead	<0.0168 ppm
Mercury	<0.00841 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	non-analyzable
Aldicarb	<0.05 mg/kg
Aldicarb sulfone (Aldoxycarb)	<0.05 mg/kg
Aldicarb sulfoxide	<0.05 mg/kg
Azoxystrobin	<0.05 mg/kg
Bifenazate	0.43 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	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

Certificate of Analysis

Elixinol, LLC

555 Burbank Street
Unit J
Broomfield Colorado 80020 United States

Sample Name:	930033	Eurofins Sample:	8260645
Project ID	ELIXINOL-20190319-0018	Receipt Date	19-Mar-2019
PO Number	Charge/AMEX	Receipt Condition	Ambient temperature
Lot Number	930033	Login Date	19-Mar-2019
Sample Serving Size			

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	non-analyzable
Fipronil desulfinyl	<0.05 mg/kg
Fipronil sulfone	non-analyzable
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	0.024 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	non-analyzable
Pyrethrum (total)	<0.50 mg/kg

Certificate of Analysis

Elixinol, LLC

555 Burbank Street
Unit J
Broomfield Colorado 80020 United States

Sample Name:	930033	Eurofins Sample:	8260645
Project ID	ELIXINOL-20190319-0018	Receipt Date	19-Mar-2019
PO Number	Charge/AMEX	Receipt Condition	Ambient temperature
Lot Number	930033	Login Date	19-Mar-2019
Sample Serving Size			

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	non-analyzable
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
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Metals Analysis by ICP-MS (ICP_MS_B_S)	Food Integrity Innovation-Boulder
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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.

Multi-Residue Analysis for hemp products - 60+ compounds (PEST_HEMP)	Food Integ. Innovation-Greenfield
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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

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.

Certificate of Analysis

Elixinol, LLC

555 Burbank Street
Unit J
Broomfield Colorado 80020 United States

Sample Name:	950025	Eurofins Sample:	8569384
Project ID	ELIXINOL-20190624-0049	Receipt Date	11-Jun-2019
PO Number	Charge/AMEX	Receipt Condition	Ambient temperature
Lot Number	950025	Login Date	24-Jun-2019
Sample Serving Size		Date Started	29-Jun-2019
Description	EFII-BOU-19-3081		

Analysis	Result
Glyphosate and AMPA	
Glyphosate	<100 ng/g
AMPA	<100 ng/g

Method References	Testing Location
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Glyphosate and AMPA (GLY_AMPAS)	Food Integ. Innovation-Greenfield
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Monsanto Company Method ME-1466-02, "High Throughput Assay for Glyphosate and AMPA in Raw Agricultural Commodities and Processed Fractions Using LC/MS/MS".

Testing Location(s)	Released on Behalf of Eurofins by
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Food Integ. Innovation-Greenfield	Karelyn Koehn - Manager
--	--------------------------------

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

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

950025

Batch ID:	950025	Test ID:	1004911.038
Reported:	17-May-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 17-May-2019 12:50 PM		Greg Zimpfer 17-May-2019 12:54 PM
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PREPARED BY / DATE

APPROVED BY / DATE

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