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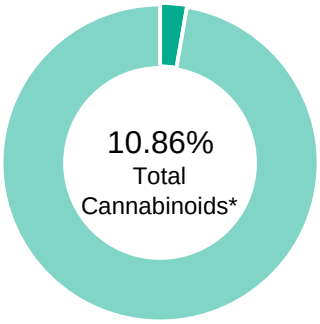
CERTIFICATE OF ANALYSIS

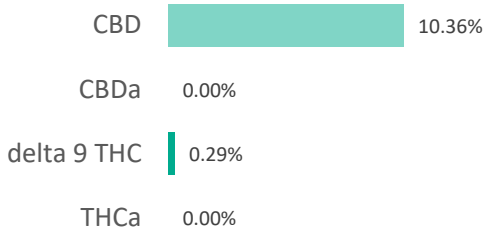
prepared for: ELIXINOL
555 BURBANK ST. UNIT J
BROOMFIELD, CO 80020

950056

Batch ID:	950056	**Test ID:**	1491743.005
Reported:	3-Jun-2019	**Method:**	TM14
Type:	Concentrate		
Test:	Potency		

CANNABINOID PROFILE





Compound	LOQ (%)	Result (%)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.08	0.00	0.0
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.04	0.29	2.9
Cannabidiolic acid (CBDA)	0.08	0.00	0.0
Cannabidiol (CBD)	0.05	10.36	103.6
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)	0.08	0.00	0.0
Cannabidivarin (CBDV)	0.04	0.04	0.4
Cannabichromenic Acid (CBCA)	0.06	0.00	0.0
Cannabichromene (CBC)	0.08	0.17	1.7
Total Cannabinoids		**10.86**	**108.60**
Total Potential THC**		0.29	2.90
Total Potential CBD**		10.36	103.60

% = % (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))

NOTES:
N/A

FINAL APPROVAL

Alex Smith
3-Jun-2019
3:26 PM
PREPARED BY / DATE

David Green
3-Jun-2019
3:31 PM
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

ilac-MRA A2LA ACCREDITED
Certificate #4329.02

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CERTIFICATE OF ANALYSIS

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

950056

Batch ID:	950056	**Test ID:**	9797956.003
Reported:	6-Jun-2019	**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
E. coli	None Detected
Salmonella	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

Vicente Contreras
6-Jun-2019
5:33 PM

PREPARED BY / DATE

David Green
6-Jun-2019
5:49 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.

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CERTIFICATE OF ANALYSIS

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

950056

Batch ID:	950056	**Test ID:**	8112516.003
Reported:	6-Jun-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

Alex Smith
6-Jun-2019
3:38 PM

PREPARED BY / DATE

Greg Zimpfer
6-Jun-2019
4:06 PM

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

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Certificate #4329.02

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Report Number: 2532485-0
Report Date: 26-Jun-2019
Report Status: Final

Certificate of Analysis

Elixinol, LLC

555 Burbank Street, Unit J
Broomfield Colorado 80020 United States

Sample Name:	**950056**	**Eurofins Sample:**	**8565805**
Project ID	ELIXINOL-20190623-0048	**Receipt Date**	07-Jun-2019
PO Number	CVD	**Receipt Condition**	Ambient temperature
Lot Number	950056	**Login Date**	23-Jun-2019
Sample Serving Size		**Date Started**	24-Jun-2019
Description	EFII-BOU-19-0064		

Analysis	Result
Metals Analysis by ICP-MS	
Arsenic	<0.0758 ppm
Cadmium	<0.0189 ppm
Lead	<0.0189 ppm
Mercury	<0.00947 ppm
Multi-Residue Analysis for hemp products - 60+ compounds	
Matrix Type - To Determine Limit of Quantification (LOQ)	Spices - Botanicals - and other Specialty Samples
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	0.012 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	<0.05 mg/kg
Chlorpyrifos	0.048 mg/kg
Coumaphos	<0.05 mg/kg
Cyfluthrin	non-analyzable
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

Certificate of Analysis

Elixinol, LLC

555 Burbank Street, Unit J
Broomfield Colorado 80020 United States

Sample Name:	**950056**	**Eurofins Sample:**	**8565805**
Project ID	ELIXINOL-20190623-0048	**Receipt Date**	07-Jun-2019
PO Number	CVD	**Receipt Condition**	Ambient temperature
Lot Number	950056	**Login Date**	23-Jun-2019
Sample Serving Size		**Date Started**	24-Jun-2019
Description	EFII-BOU-19-0064		

Analysis	Result
Multi-Residue Analysis for hemp products - 60+ compounds	
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
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	0.018 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

Certificate of Analysis

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Broomfield Colorado 80020 United States

Sample Name:	**950056**	**Eurofins Sample:**	**8565805**
Project ID	ELIXINOL-20190623-0048	**Receipt Date**	07-Jun-2019
PO Number	CVD	**Receipt Condition**	Ambient temperature
Lot Number	950056	**Login Date**	23-Jun-2019
Sample Serving Size		**Date Started**	24-Jun-2019
Description	EFII-BOU-19-0064		

Analysis	Result
Multi-Residue Analysis for hemp products - 60+ compounds	
Pyrethrum (total)	<0.50 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
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
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.

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Report Number:	**2532485-0**
Report Date:	**26-Jun-2019**
Report Status:	**Final**

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

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