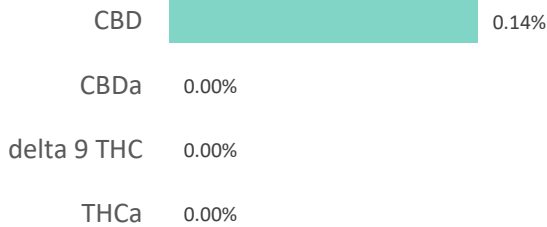
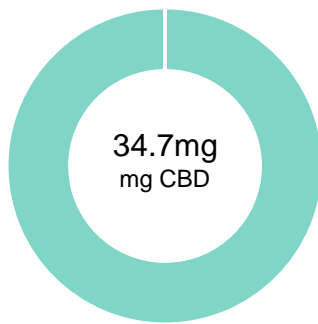


FG-00-6021-ELIX-0007 HEMP BALM

Batch ID:	386152	Test ID:	3264936.0025
Reported:	3-Sep-2019	Method:	TM14
Type:	Topical		
Test:	Potency		

CANNABINOID PROFILE


Compound	LOQ (mg)	Result (mg)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	5.50	0.00	0.0
Delta 9-Tetrahydrocannabinol (Delta 9THC)	2.75	0.00	0.0
Cannabidiolic acid (CBDA)	3.80	0.00	0.0
Cannabidiol (CBD)	2.13	34.70	1.4
Delta 8-Tetrahydrocannabinol (Delta 8THC)	3.01	0.00	0.0
Cannabinolic Acid (CBNA)	7.55	0.00	0.0
Cannabinol (CBN)	3.34	0.00	0.0
Cannabigerolic acid (CBGA)	4.81	0.00	0.0
Cannabigerol (CBG)	2.71	0.00	0.0
Tetrahydrocannabivarinic Acid (THCVA)	4.72	0.00	0.0
Tetrahydrocannabivarin (THCV)	2.45	0.00	0.0
Cannabidivarinic Acid (CBDVA)	3.53	0.00	0.0
Cannabidivarin (CBDV)	1.94	0.00	0.0
Cannabichromenic Acid (CBCA)	4.13	0.00	0.0
Cannabichromene (CBC)	4.97	0.00	0.0
Total Cannabinoids		34.70	1.36
Total Potential THC**		0.00	0.00
Total Potential CBD**		34.70	1.36

NOTES:


of Servings = 1, Sample Weight=25.52g

N/A

% = % (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.

$$\text{Total THC} = \text{THC} + (\text{THCa} * (0.877)) \text{ and Total CBD} = \text{CBD} + (\text{CBDa} * (0.877))$$
FINAL APPROVAL


Alex Smith
3-Sep-2019
2:10 PM

PREPARED BY / DATE



Greg Zimpfer
3-Sep-2019
2:43 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



950055

Batch ID:	950055	Test ID:	9797956.002
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
David Green
6-Jun-2019
5:49 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.

950055

Batch ID:	950055	Test ID:	8112516.002
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	 Greg Zimpfer 6-Jun-2019 4:06 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

Certificate of Analysis

Elixinol, LLC

555 Burbank Street, Unit J
Broomfield, CO 80020

Sample Name:	920020	Eurofins Sample:	8149390
Project ID	ELIXINOL-20190213-0011	Receipt Date	13-Feb-2019
PO Number	Not Provided	Receipt Condition	Ambient temperature
Lot Number	920020	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:	920020	Eurofins Sample:	8149390
Project ID	ELIXINOL-20190213-0011	Receipt Date	13-Feb-2019
PO Number	Not Provided	Receipt Condition	Ambient temperature
Lot Number	920020	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:	920020	Eurofins Sample:	8149390
Project ID	ELIXINOL-20190213-0011	Receipt Date	13-Feb-2019
PO Number	Not Provided	Receipt Condition	Ambient temperature
Lot Number	920020	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
-------------------	------------------

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.

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:

Certificate of Analysis

Elixinol, LLC

555 Burbank Street, Unit J
 Broomfield, CO 80020

Sample Name:	920020	Eurofins Sample:	8149390
Project ID	ELIXINOL-20190213-0011	Receipt Date	13-Feb-19
PO Number	Not Provided	Receipt Condition	Ambient
Lot Number	920020	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.
---	---

Testing Location(s)	Released on Behalf of Eurofins by
---------------------	-----------------------------------

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
---	-----------------------------------



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.