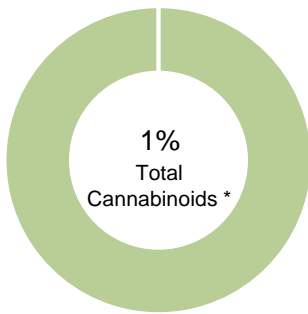


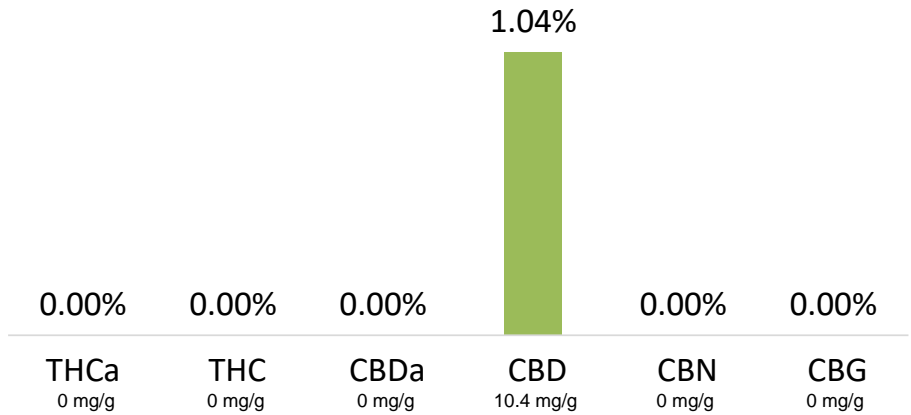
920053

Batch ID:	N/A	Test ID:	6049833.016
Reported:	4-Mar-2019	Method:	TM01
Type:	Concentrate		
Test:	Potency		

CANNABINOID PROFILE



- Total Potential THC 0% **
- Total Potential CBD 1.04% **



* 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
4-Mar-2019
3:11 PM


David Green
4-Mar-2019
3:32 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

920053

Batch ID: N/A

Reported: 2-Mar-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

Robert Belfon Jr.
2-Mar-2019
12:48 PM

PREPARED BY / DATE



Mike Branvold
2-Mar-2019
6:57 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.



40 West Louise Ave., Salt Lake City, UT 84115
 Phone: (801) 485-1800 Fax: (801) 484-9211
 Email: utlab@advancedlabsinc.com
FDA Registration #3006423386

If you liked our service, please tell a friend. If you didn't, please tell us!

Test Certificate

Description: 920053
 Sample ID:
 Lot No: 920053
 Part Code:
 Location:
 PO No:
 Received: 3/6/2019

Client: Elixinol
 Attn: Accounts Payable
 555 Burbank Street
 Broomfield, CO 80220

Lab No: 167552-02
 Completed: 3/12/2019

Analysis	Result	Per Unit	Method
†Residual Solvent Class 1	<0.1	ppm	USP <467> GCMS
†Residual Solvent Class 2	<0.1	ppm	USP <467> GCMS
†Residual Solvent Class 3	<0.1	ppm	USP <467> GCMS
†Residual Organic Volatiles	<0.1	ppm	USP <467> GCMS

Residual Organic Volatiles, Residual Solvent Class 1, Residual Solvent Class 2 and Residual Solvent Class 3 analysis performed by headspace sampling GC-MS on a capillary column stationary phase of BPX5, 0.25m film: length: 30m x 0.1 mm ID. Oven Program: Initial Temp:50°C, 1 min. Rate 1: 30°C/min. Final Temp: 320°C, 2 min. Detector Type: MS in positive ion Temperature: 320°C Carrier Gas: He, 23psi. Average Linear Velocity:30 cm/sec at 50°C. Injection Mode: Split. Split Ratio: 100:1. Injection Volume: 1.0 µL Injection Temperature: 250°C Liner Type: 4 mm ID Single Taper.

THESE RESULTS APPLY ONLY TO THE SAMPLE SUBMITTED AND NOT TO THE PRODUCT FROM WHICH IT WAS TAKEN. THESE RESULTS ARE PROVIDED ONLY FOR THE BENEFIT OF CLIENT, WITHOUT REPRESENTATION OR WARRANTY OF ANY KIND, EXCEPT FOR THE EXPRESS LIMITED WARRANTY PROVIDED SOLELY TO CLIENT IN ADVANCED LABORATORIES' TERMS OF SERVICE.

THIS CERTIFICATE SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT WRITTEN APPROVAL FROM ADVANCED LABORATORIES.

Results Approved By: 
 Alisa Farnsworth-Quality Technician

Dated: 3/12/2019

Tests marked with † were done at Atlas Bioscience Labs, LLC, a joint venture with Advanced Laboratories. - 1775 S. Pantano Rd - Ste #110, Tucson, AZ 85710

Printed: 3/12/2019 6:47:09 PM



Certificate of Analysis

Elixinol, LLC

555 Burbank Street, Unit J
Broomfield, CO 80020

Sample Name:	920053	Eurofins Sample:	8215065
Project ID	ELIXINOL-20190305-0014	Receipt Date	05-Mar-2019
PO Number	Not Provided	Receipt Condition	Ambient temperature
Lot Number	920053	Login Date	05-Mar-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	<0.05 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	<0.05 mg/kg
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

Sample Name:	920053	Eurofins Sample:	8215065
Project ID	ELIXINOL-20190305-0014	Receipt Date	05-Mar-2019
PO Number	Not Provided	Receipt Condition	Ambient temperature
Lot Number	920053	Login Date	05-Mar-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	<0.05 mg/kg
Spiromesifen	<0.05 mg/kg

Certificate of Analysis

Elixinol, LLC

555 Burbank Street, Unit J
Broomfield, CO 80020

Sample Name:	920053	Eurofins Sample:	8215065
Project ID	ELIXINOL-20190305-0014	Receipt Date	05-Mar-2019
PO Number	Not Provided	Receipt Condition	Ambient temperature
Lot Number	920053	Login Date	05-Mar-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	<0.05 mg/kg
Metolachlor	<0.05 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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Certificate of Analysis

Elixinol, LLC

555 Burbank Street, Unit J
 Broomfield, CO 80020

Sample Name:	920053	Eurofins Sample:	8215065
Project ID	ELIXINOL-20190305-0014	Receipt Date	05-Mar-19
PO Number	Not Provided	Receipt Condition	Ambient
Lot Number	920053	Login Date	05-Mar-19
Sample Serving Size	NA		

Analysis	Specification	Result
Metals Testing: ICP-MS for 4 Elements		
Arsenic	NA	< 0.080 ppm
Cadmium	NA	< 0.020 ppm
Lead	NA	< 0.020 ppm
Mercury	NA	< 0.010 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, US, Inc.
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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
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