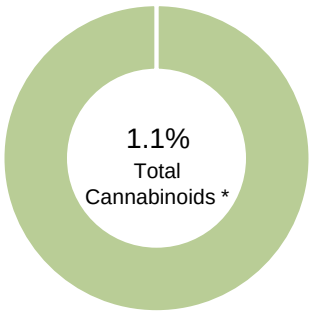
CERTIFICATE OF ANALYSIS

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

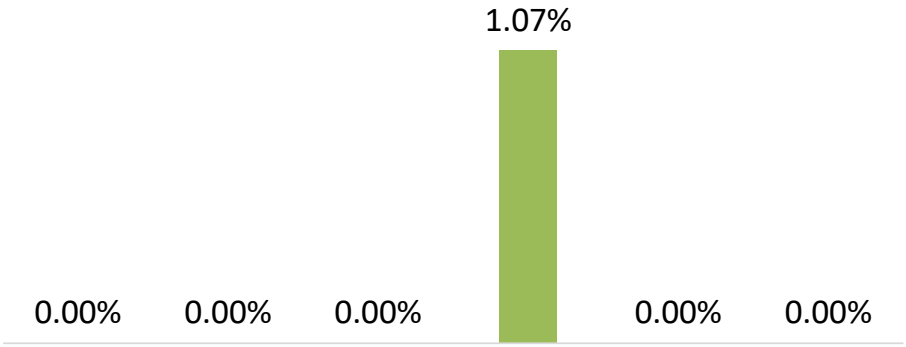
920050

Batch ID:	N/A	**Test ID:**	9397642.059
Reported:	1-Mar-2019	**Method:**	TM01
Type:	Concentrate		
Test:	Potency		

CANNABINOID PROFILE



Total Potential THC 0% **
Total Potential CBD 1.07% **



** 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

Greg Zimpfer
1-Mar-2019
11:57 AM
PREPARED BY / DATE

David Green
1-Mar-2019
12:11 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. ISO/IEC 17025:2005 Accredited A2LA Certificate Number 4329.02

Certificate #4329.02

CERTIFICATE OF ANALYSIS

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

920050

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
E. coli	None Detected	CFU/g
Salmonella	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

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

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

Test Certificate

Description: 920050
Sample ID:
Lot No: 920050
Part Code:
Location:
PO No:
Received: 3/6/2019

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

Lab No: 167552-01
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.

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

TREND CHECK

Certificate of Analysis

Elixinol, LLC

555 Burbank Street, Unit J
Broomfield, CO 80020

Sample Name:	**920050**	**Eurofins Sample:**	**8215066**
Project ID	ELIXINOL-20190305-0014	**Receipt Date**	05-Mar-19
PO Number	Not Provided	**Receipt Condition**	Ambient
Lot Number	920050	**Login Date**	05-Mar-19
Sample Serving Size	NA		

Analysis	Specification	Result
Metals Testing: ICP-MS for 4 Elements		
Arsenic	NA	< 0.078 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, US, Inc.**

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**

Certificate of Analysis

Elixinol, LLC
555 Burbank Street, Unit J
Broomfield, CO 80020

Sample Name:	**920050**	**Eurofins Sample:**	**8215066**
Project ID	ELIXINOL-20190305-0014	**Receipt Date**	05-Mar-2019
PO Number	Not Provided	**Receipt Condition**	Ambient temperature
Lot Number	920050	**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)	High-Fat Food Matrices
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	0.13 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	0.013 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
Endosulfan sulfate	<0.05 mg/kg

Certificate of Analysis

Elixinol, LLC
555 Burbank Street, Unit J
Broomfield, CO 80020

Sample Name:	**920050**	**Eurofins Sample:**	**8215066**
Project ID	ELIXINOL-20190305-0014	**Receipt Date**	05-Mar-2019
PO Number	Not Provided	**Receipt Condition**	Ambient temperature
Lot Number	920050	**Login Date**	05-Mar-2019
Sample Serving Size	NA		

Analysis	Result
Multi-Residue Analysis for hemp products - 60+ compounds	
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	0.058 mg/kg
Spiromesifen	<0.05 mg/kg
Spiromesifen enol	<0.05 mg/kg

Certificate of Analysis

Elixinol, LLC

555 Burbank Street, Unit J
Broomfield, CO 80020

Sample Name:	**920050**	**Eurofins Sample:**	**8215066**
Project ID	ELIXINOL-20190305-0014	**Receipt Date**	05-Mar-2019
PO Number	Not Provided	**Receipt Condition**	Ambient temperature
Lot Number	920050	**Login Date**	05-Mar-2019
Sample Serving Size	NA		

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

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

ilac-MRA A2LA ACCREDITED
2918.06

Certificate of Analysis

Elixinol, LLC
555 Burbank Street, Unit J
Broomfield, CO 80020

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.