

CERTIFICATE OF ANALYSIS

Prepared for:
Elixinol LLC

10170 Church Ranch Way, Ste 400
Westminster, CO USA 80021


Blackberry Delta-9 Gummy - EVG.ELIX.G3.2803

Batch ID or Lot Number: EVG.ELIX.G3.2803	Test: Potency	Reported: 02Dec2022	USDA License: N/A
Matrix: Unit	Test ID: T000228731	Started: 01Dec2022	Sampler ID: N/A
	Method(s): TM14 (HPLC-DAD): Potency – Standard Cannabinoid Analysis	Received: 30Nov2022	Status: Active

Cannabinoids

	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.233	0.762	1.378	0.43	# of Servings = 1 Sample Weight=3.194g
Cannabichromenic Acid (CBCA)	0.213	0.697	ND	ND	
Cannabidiol (CBD)	0.766	2.015	17.585	5.51	
Cannabidiolic Acid (CBDA)	0.785	2.067	ND	ND	
Cannabidivarin (CBDV)	0.181	0.477	<LOQ	<LOQ	
Cannabidivarinic Acid (CBDVA)	0.328	0.862	ND	ND	
Cannabigerol (CBG)	0.132	0.433	1.508	0.47	
Cannabigerolic Acid (CBGA)	0.553	1.809	ND	ND	
Cannabinol (CBN)	0.173	0.565	<LOQ	<LOQ	
Cannabinolic Acid (CBNA)	0.377	1.235	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.659	2.156	<LOQ	<LOQ	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.598	1.958	3.364	1.05	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.530	1.735	ND	ND	
Tetrahydrocannabivarin (THCV)	0.120	0.394	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.468	1.530	ND	ND	
Total Cannabinoids			23.835	7.46	
Total Potential THC			3.364	1.05	
Total Potential CBD			17.585	5.51	

Final Approval



Sam Smith
02Dec2022
08:43:00 AM MST

PREPARED BY / DATE



Karen Winternheimer
02Dec2022
08:45:00 AM MST

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/03441fe6-5fcf-45db-ac34-35de4db2b05b>

Definitions

% = % (w/w) = Percent (weight of analyte / weight of product). ND = None Detected (defined by dynamic range of the method).
Total Potential Delta 9-THC or CBD is calculated to take into account the loss of a carboxyl group during decarboxylation step, using the following formulas: Total Potential Delta 9-THC = Delta 9-THC + (Delta 9-THCa *(0.877)) and Total CBD = CBD + (CBDA *(0.877)).

Testing results are based solely upon the sample submitted to SC Laboratories, Inc., in the condition it was received. SC Laboratories, Inc., 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 SC Laboratories, Inc. ISO/IEC 17025:2017 Accredited by A2LA.



Cert #4329.02

CDPHE Certified

03441fe65fcf45dbac3435de4db2b05b.1

Prepared for:

EV22.ML.FXD.117


EVG EXTRACTS

Batch ID or Lot Number: N/A	Test: Residual Solvents	Reported: 4/4/22	Location: 35715 HWY 40 #D203 EVERGREEN, CO 80439
Matrix: N/A	Test ID: T000200467	Started: 4/1/22	USDA License: N/A
Status: N/A	Methods: TM04 (GC-MS): Residual Solvents	Received: 03/30/2022 @ 09:27 AM	Sampler ID: N/A

RESIDUAL SOLVENTS DETERMINATION

Solvent	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	81 - 1626	*ND	
Butanes (Isobutane, n-Butane)	161 - 3229	*ND	
Methanol	58 - 1169	*ND	
Pentane	85 - 1692	*ND	
Ethanol	79 - 1589	*ND	
Acetone	87 - 1749	*ND	
Isopropyl Alcohol	95 - 1892	*ND	
Hexane	6 - 118	*ND	
Ethyl Acetate	96 - 1921	*ND	
Benzene	0.2 - 3.6	*ND	
Heptanes	87 - 1739	*ND	
Toluene	16 - 311	*ND	
Xylenes (m,p,o-Xylenes)	104 - 2081	*ND	

 Jacob Miller
4-Apr-22
9:48 AM

 Sam Smith
4-Apr-22
9:52 AM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

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

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.



Certificate #4329.02

Prepared for:

EV22.OFXD.113
EVG EXTRACTS

Batch ID or Lot Number: N/A	Test: Residual Solvents	Reported: 3/23/22	Location: 35715 HWY 40 #D203 EVERGREEN, CO 80439
Matrix: N/A	Test ID: T000199390	Started: 3/23/22	USDA License: N/A
Status: N/A	Methods: TM04 (GC-MS): Residual Solvents	Received: 03/22/2022 @ 09:42 AM	Sampler ID: N/A

RESIDUAL SOLVENTS DETERMINATION

Solvent	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	87 - 1736	*ND	
Butanes (Isobutane, n-Butane)	175 - 3493	*ND	
Methanol	58 - 1160	*ND	
Pentane	90 - 1809	*ND	
Ethanol	91 - 1817	*ND	
Acetone	95 - 1907	*ND	
Isopropyl Alcohol	96 - 1928	*ND	
Hexane	6 - 118	*ND	
Ethyl Acetate	97 - 1936	*ND	
Benzene	0.2 - 3.9	*ND	
Heptanes	94 - 1886	*ND	
Toluene	17 - 344	*ND	
Xylenes (m,p,o-Xylenes)	121 - 2417	*ND	



 Ryan Weems
23-Mar-22
5:50 PM



 Daniel Weidensaul
23-Mar-22
5:51 PM

PREPARED BY / DATE

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Definitions

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

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CERTIFICATE OF ANALYSIS

Prepared for:
Elixinol LLC


10170 Church Ranch Way, Ste 400
Westminster, CO USA 80021

Blackberry Delta-9 Gummy - EVG.ELIX.G3.2803

Batch ID or Lot Number: EVG.ELIX.G3.2803	Test: Heavy Metals	Reported: 01Dec2022	USDA License: NA
Matrix: Unit Co	Test ID: T000228734	Started: 30Nov2022	Sampler ID: NA
	Method(s): TM19 (ICP-MS); Heavy Metals	Received: 30Nov2022	Status: NA

Heavy Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.05 - 4.64	ND	
Cadmium	0.04 - 4.34	ND	
Mercury	0.04 - 4.41	ND	
Lead	0.05 - 4.77	ND	

Final Approval



Colin Hendrickson
01Dec2022
10:03:00 AM MST

PREPARED BY / DATE



Sam Smith
01Dec2022
10:08:00 AM MST

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/0d2b4bd1-176d-400d-a086-d4aa6e376b20>

Definitions

ND = None Detected (defined by dynamic range of the method)
Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range

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Cert #4329.02

CDPHE Certified

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CERTIFICATE OF ANALYSIS

Prepared for:
Elixinol LLC

10170 Church Ranch Way, Ste 400
Westminster, CO USA 80021

Blackberry Delta-9 Gummy - EVG.ELIX.G3.2803

Batch ID or Lot Number: EVG.ELIX.G3.2803	Test: Microbial Contaminants	Reported: 06Dec2022	USDA License: N/A
Matrix: Finished Product	Test ID: T000228733	Started: 01Dec2022	Sampler ID: N/A
	Method(s): TM25 (qPCR) TM24, TM26, TM27 (Culture Plating): Microbial (Colorado Panel)	Received: 30Nov2022	Status: Active

Microbial

Contaminants	Method	LOD	Quantitation Range	Result	Notes
STEC	TM25: PCR	10 ⁰ CFU/25g	NA	Absent	Free from visual mold, mildew, and foreign matter
<i>Salmonella</i>	TM25: PCR	10 ⁰ CFU/25g	NA	Absent	
Total Yeast and Mold*	TM24: Culture Plating	10 ¹ CFU/g	1.0x10 ² - 1.5x10 ⁴	None Detected	
Total Aerobic Count*	TM26: Culture Plating	10 ² CFU/g	1.0x10 ³ - 1.5x10 ⁵	None Detected	
Total Coliforms*	TM27: Culture Plating	10 ¹ CFU/g	1.0x10 ² - 1.5x10 ⁴	None Detected	

Final Approval



Brett Hudson
05Dec2022
04:52:00 PM MST

PREPARED BY / DATE



Eden Thompson-Wright
06Dec2022
04:17:00 PM MST

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uiid/889fec7d-2247-4eb8-987a-ce07e7d47859>

Definitions

* Values recorded in scientific notation, a common microbial practice of expressing numbers that are too large to be conveniently written in decimal form. Examples: 10² = 100 CFU, 10³ = 1,000 CFU, 10⁴ = 10,000 CFU, 10⁵ = 100,000 CFU
CFU/g = Colony Forming Units per Gram, LOD = Limit of Detection
ULOQ = Upper Limit of Quantitation, LLOQ = Lower Limit of Quantitation
STEC = Shiga Toxin-Producing E. coli

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Cert #4329.02



CDPHE Certified

889fec7d22474eb8987ace07e7d47859.1

Prepared for:
Elixinol LLC

10170 Church Ranch Way, Ste 400
Westminster, CO USA 80021

Blackberry Delta-9 Gummy - EVG.ELIX.G3.2803

Batch ID or Lot Number: EVG.ELIX.G3.2803	Test: Pesticides	Reported: 06Dec2022	USDA License: NA
Matrix: Concentrate	Test ID: T000228732	Started: 05Dec2022	Sampler ID: NA
	Method(s): TM17 (LC-QQ LC MS/MS)	Received: 30Nov2022	Status: NA

Pesticides	Dynamic Range (ppb)	Result (ppb)	Pesticides	Dynamic Range (ppb)	Result (ppb)
Abamectin	335 - 2667	ND	Malathion	290 - 2707	ND
Acephate	41 - 2767	ND	Metalaxyl	38 - 2744	ND
Acetamiprid	42 - 2742	ND	Methiocarb	44 - 2686	ND
Azoxystrobin	42 - 2720	ND	Methomyl	41 - 2754	ND
Bifenazate	40 - 2728	ND	MGK 264 1	166 - 1627	ND
Boscalid	44 - 2714	ND	MGK 264 2	116 - 1113	ND
Carbaryl	43 - 2725	ND	Myclobutanil	38 - 2682	ND
Carbofuran	42 - 2708	ND	Naled	42 - 2756	ND
Chlorantraniliprole	43 - 2667	ND	Oxamyl	40 - 2746	ND
Chlorpyrifos	38 - 2642	ND	Pacllobutrazol	48 - 2701	ND
Clofentezine	279 - 2733	ND	Permethrin	294 - 2686	ND
Diazinon	276 - 2737	ND	Phosmet	40 - 2702	ND
Dichlorvos	280 - 2790	ND	Prophos	290 - 2696	ND
Dimethoate	38 - 2742	ND	Propoxur	42 - 2704	ND
E-Fenpyroximate	294 - 2676	ND	Pyridaben	305 - 2654	ND
Etofenprox	42 - 2681	ND	Spinosad A	32 - 2231	ND
Etoxazole	306 - 2670	ND	Spinosad D	49 - 485	ND
Fenoxycarb	42 - 2736	ND	Spiromesifen	290 - 2693	ND
Fipronil	41 - 2666	ND	Spirotetramat	278 - 2722	ND
Flonicamid	47 - 2713	ND	Spiroxamine 1	18 - 1128	ND
Fludioxonil	267 - 2705	ND	Spiroxamine 2	22 - 1539	ND
Hexythiazox	39 - 2705	ND	Tebuconazole	285 - 2720	ND
Imazalil	250 - 2752	ND	Thiacloprid	42 - 2742	ND
Imidacloprid	47 - 2728	ND	Thiamethoxam	39 - 2769	ND
Kresoxim-methyl	38 - 2747	ND	Trifloxystrobin	43 - 2732	ND

Final Approval


Sam Smith
06Dec2022
11:07:00 AM MST


Karen Winternheimer
06Dec2022
11:11:00 AM MST



PREPARED BY / DATE

APPROVED BY / DATE

<https://results.botanacor.com/api/v1/coas/uuid/c054eae5-ac94-4fba-aa88-d66aa7ed0ecc>

Definitions

ND = None Detected (defined by dynamic range of the method)
Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range
ppb = Parts Per Billion

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CERTIFICATE OF ANALYSIS

Prepared for:
Elixinol LLC


10170 Church Ranch Way, Ste 400
Westminster, CO USA 80021

Blackberry Delta-9 Gummy - EVG.ELIX.G3.2803

Batch ID or Lot Number: EVG.ELIX.G3.2803	Test: Mycotoxins	Reported: 07Dec2022	USDA License: N/A
Matrix: Concentrate	Test ID: T000228736	Started: 06Dec2022	Sampler ID: N/A
	Method(s): TM18 (UHPLC-QQQ LCMS/MS): Mycotoxins	Received: 30Nov2022	Status: Active

Mycotoxins	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	4.11 - 114.54	ND	N/A
Aflatoxin B1	0.84 - 29.25	ND	
Aflatoxin B2	0.78 - 29.19	ND	
Aflatoxin G1	0.87 - 29.31	ND	
Aflatoxin G2	0.90 - 29.51	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

Final Approval



Sam Smith
07Dec2022
08:08:00 AM MST

PREPARED BY / DATE



Karen Winternheimer
07Dec2022
08:09:00 AM MST

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/4e4e11c6-7acf-4c4c-afe4-0b32f81472b6>

Definitions

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Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range

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Cert #4329.02

CDPHE Certified

4e4e11c67acf4c4cfe40b32f81472b6.1

Certificate of Analysis

Elixinol, LLC

10170 Church Ranch
Westminster Colorado 80021 United States

Sample Name:	Blackberry Delta-9 Gummy - EVG.ELIX. G3.2803	Eurofins Sample:	12402249
Project ID	ELIXINOL-20221122-0040	Receipt Date	01-Dec-2022
PO Number	PO-0020	Receipt Condition	Ambient temperature
Lot Number	EVG.ELIX.G3.2803	Login Date	22-Nov-2022
Sample Serving Size	1 gummy	Date Started	01-Dec-2022
Description	Blackberry Delta-9 Gummy - EVG.ELIX.G3.2803	Sampled	Sample results apply as received
		Online Order	901-2022-E019443

Analysis	Result
Calculated Sample Weight *	
Entity Weight	3.1447 g
Enterobacteriaceae Plate Count *	
Enterobacteriaceae	<10 CFU/g
Glyphosate and AMPA	
Glyphosate	<10.0 ng/g
AMPA	<10.0 ng/g

Method References Testing Location

Calculated Sample Weight (PREP) **Food Integrity Innovation-Madison**
6304 Ronald Reagan Ave Madison, WI 53704 USA

Enterobacteriaceae Plate Count (EBPC) **EML New Berlin**
2345 S 170th St New Berlin, WI 53151 USA

Compendium of Methods for the Microbiological Examination of Foods: Enterobacteriaceae, Coliforms, and Escherichia coli as Quality and Safety Indicators, Chapter 8, 4th Edition, 2001.

Glyphosate and AMPA (GLY_AMPAS) **Food Integrity Innovation-Madison**
6304 Ronald Reagan Ave Madison, WI 53704 USA

Internally developed method.

Testing Location(s) Released on Behalf of Eurofins by

Food Integrity Innovation-Madison **Edward Ladwig - President Eurofins Food Chemistry Testing Madison**

Eurofins Food Chemistry Testing Madison, Inc.
6304 Ronald Reagan Ave
Madison WI 53704
800-675-8375



2918.01

* This analysis or component is not ISO accredited.

Printed: 07-Dec-2022 4:32 pm

Page 1 of 2

Certificate of Analysis

Elixinol, LLC

10170 Church Ranch

Westminster Colorado 80021 United States

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