

CERTIFICATE OF ANALYSIS

Prepared for:
Elixinol LLC

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

Delta 9 Gummy - EVG.ELIX.G3.3003

Batch ID or Lot Number: EVG.ELIX.G3.3003	Test: Potency	Reported: 02Apr2023	USDA License: N/A
Matrix: Unit	Test ID: T000240140	Started: 31Mar2023	Sampler ID: N/A
	Method(s): TM14 (HPLC-DAD): Potency – Standard Cannabinoid Analysis	Received: 31Mar2023	Status: Active

Cannabinoids

	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.237	0.768	1.323	0.43	# of Servings = 1 Sample Weight=3.11g
Cannabichromenic Acid (CBCA)	0.217	0.702	ND	ND	
Cannabidiol (CBD)	0.680	2.011	18.232	5.86	
Cannabidiolic Acid (CBDA)	0.697	2.063	ND	ND	
Cannabidivarin (CBDV)	0.161	0.476	0.799	0.26	
Cannabidivarinic Acid (CBDVA)	0.291	0.861	ND	ND	
Cannabigerol (CBG)	0.135	0.436	0.769	0.25	
Cannabigerolic Acid (CBGA)	0.563	1.823	ND	ND	
Cannabinol (CBN)	0.176	0.569	ND	ND	
Cannabinolic Acid (CBNA)	0.384	1.244	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.671	2.172	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.609	1.972	3.190	1.03	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.540	1.748	ND	ND	
Tetrahydrocannabivarin (THCV)	0.123	0.397	0.410	0.13	
Tetrahydrocannabivarinic Acid (THCVA)	0.476	1.541	ND	ND	
Total Cannabinoids			24.723	7.96	
Total Potential THC			3.190	1.03	
Total Potential CBD			18.232	5.86	

Final Approval



Karen Winternheimer
02Apr2023
09:50:00 AM MDT

PREPARED BY / DATE



Sam Smith
02Apr2023
09:52:00 AM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/a443a37e-8ad3-4faa-a942-e7e70c3ba9aa>

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)).

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Cert #4329.02

CDPHE Certified

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Certificate of Analysis

Elixinol, LLC

10170 Church Ranch
Westminster Colorado 80021 United States

Sample Name:	Delta 9 Gummy - EVG.ELIX.G3.3003	Eurofins Sample:	12787110
Project ID	ELIXINOL-20230329-0007	Receipt Date	04-Apr-2023
PO Number	PO-0033	Receipt Condition	Ambient temperature
Lot Number	EVG.ELIX.G3.3003	Login Date	29-Mar-2023
Sample Serving Size	1 Piece	Date Started	04-Apr-2023
Description	Delta 9 Gummy - EVG.ELIX.G3.3003	Sampled	Sample results apply as received
		Online Order	901-2023-E018701

Analysis	Result
Calculated Sample Weight *	
Entity Weight	3.0740 g
Enterobacteriaceae Plate Count *	
Enterobacteriaceae	<10 CFU/g
Glyphosate and AMPA	
Glyphosate	<10.0 ng/g
AMPA	<10.0 ng/g

Analysis	LOQ	Limit	Result	Pass/Fail
Residual Solvents - Class 1, 2a, 2b and 3				
1,1,1-Trichloroethane	10 ppm	10 ppm	<10 ppm	Pass
1,1-Dichloroethene	8 ppm	8 ppm	<8 ppm	Pass
1,2-Dichloroethane	5 ppm	5 ppm	<5 ppm	Pass
Benzene	2 ppm	2 ppm	<2 ppm	Pass
Carbon Tetrachloride	4 ppm	4 ppm	<4 ppm	Pass
1,2-Dimethoxyethane	100 ppm	100 ppm	<100 ppm	Pass
1,4-Dioxane	380 ppm	380 ppm	<380 ppm	Pass
Acetonitrile	410 ppm	410 ppm	<410 ppm	Pass
Chlorobenzene	360 ppm	360 ppm	<360 ppm	Pass
Chloroform	60 ppm	60 ppm	<60 ppm	Pass
1,2-Dichloroethene	1870 ppm	1870 ppm	<1870 ppm	Pass
Cumene	70 ppm	70 ppm	<70.0 ppm	Pass
Cyclohexane	3880 ppm	3880 ppm	<3880 ppm	Pass
Methanol	3000 ppm	3000 ppm	<3000 ppm	Pass
Methylbutylketone	50 ppm	50 ppm	<50 ppm	Pass
Methylcyclohexane	1180 ppm	1180 ppm	<1180 ppm	Pass
Methylene Chloride	600 ppm	600 ppm	<600 ppm	Pass
n-Hexane	290 ppm	290 ppm	<290 ppm	Pass
Nitromethane	50 ppm	50 ppm	<50 ppm	Pass
Pyridine	200 ppm	200 ppm	<200 ppm	Pass
Tetrahydrofuran	720 ppm	720 ppm	<720 ppm	Pass

* This analysis or component is not ISO accredited.

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PO Number	PO-0033	Receipt Condition	Ambient temperature
Lot Number	EVG.ELIX.G3.3003	Login Date	29-Mar-2023
Sample Serving Size	1 Piece	Date Started	04-Apr-2023
Description	Delta 9 Gummy - EVG.ELIX.G3.3003	Sampled	Sample results apply as received
		Online Order	901-2023-E018701

Analysis	LOQ	Limit	Result	Pass/Fail
Residual Solvents - Class 1, 2a, 2b and 3				
Tetralin	96 ppm	96 ppm	<96.0 ppm	Pass
Toluene	890 ppm	890 ppm	<890 ppm	Pass
Trichloroethylene	80 ppm	80 ppm	<80 ppm	Pass
Xylenes(O,M,P + EB)	2170 ppm	2170 ppm	<2170 ppm	Pass
1-Butanol	200 ppm	5000 ppm	<200 ppm	Pass
1-Pentanol	200 ppm	5000 ppm	<200 ppm	Pass
1-Propanol	200 ppm	5000 ppm	<200 ppm	Pass
2-Butanol	200 ppm	5000 ppm	<200 ppm	Pass
Methylethylketone	200 ppm	5000 ppm	<200 ppm	Pass
3-Methyl-1-butanol	200 ppm	5000 ppm	<200 ppm	Pass
Acetic Acid Butyl Ester	200 ppm	5000 ppm	<200 ppm	Pass
Acetone	200 ppm	5000 ppm	<200 ppm	Pass
Anisole	200 ppm	5000 ppm	<200 ppm	Pass
Diethyl Ether	200 ppm	5000 ppm	<200 ppm	Pass
Ethanol	200 ppm	5000 ppm	5580 ppm	Fail
Ethyl Acetate	200 ppm	5000 ppm	<200 ppm	Pass
Ethyl Formate	500 ppm	5000 ppm	<500 ppm	Pass
2-Methyl-1-propanol	200 ppm	5000 ppm	<200 ppm	Pass
Isobutyl Acetate	200 ppm	5000 ppm	<200 ppm	Pass
2-Propanol	200 ppm	5000 ppm	<200 ppm	Pass
Isopropyl Acetate	200 ppm	5000 ppm	<200 ppm	Pass
Methyl Acetate	200 ppm	5000 ppm	<200 ppm	Pass
Methylisobutylketone	200 ppm	5000 ppm	<200 ppm	Pass
tert-Butylmethyl Ether	200 ppm	5000 ppm	<200 ppm	Pass
n-Heptane	200 ppm	5000 ppm	<200 ppm	Pass
n-Pentane	200 ppm	5000 ppm	<200 ppm	Pass
Propyl Acetate	200 ppm	5000 ppm	<200 ppm	Pass
Total Class 3 Residual Solvents	5000 ppm	5000 ppm	>5000 ppm	Fail

* This analysis or component is not ISO accredited.

Certificate of Analysis

Elixinol, LLC

10170 Church Ranch
Westminster Colorado 80021 United States

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_AMP_A_S)

Food Integrity Innovation-Madison
6304 Ronald Reagan Ave Madison, WI 53704 USA

Internally developed method.

Residual Solvents - Class 1, 2a, 2b and 3 (USPR_S)

Food Integrity Innovation-Madison
6304 Ronald Reagan Ave Madison, WI 53704 USA

United States Pharmacopeia, 38th Rev. - National Formulary 33rd Ed., Method <467>, USP Convention, Inc., Rockville, MD (2015). (Modified).

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

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. Measurement uncertainty for individual analyses can be obtained upon request.

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Elixinol LLC


10170 Church Ranch Way, Ste 400
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Delta 9 Gummy - EVG.ELIX.G3.3003

Batch ID or Lot Number: EVG.ELIX.G3.3003	Test: Heavy Metals	Reported: 05Apr2023	USDA License: NA
Matrix: Unit Co	Test ID: T000240143	Started: 04Apr2023	Sampler ID: NA
	Method(s): TM19 (ICP-MS): Heavy Metals	Received: 31Mar2023	Status: NA

Heavy Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.04 - 4.06	ND	
Cadmium	0.05 - 4.56	ND	
Mercury	0.04 - 4.27	ND	
Lead	0.05 - 4.52	ND	

Final Approval



Sam Smith
05Apr2023
03:03:00 PM MDT

PREPARED BY / DATE



Karen Winternheimer
05Apr2023
03:31:00 PM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/c04f79da-bdff-4d8a-a7eb-2611b4898213>

Definitions

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

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

c04f79dabdf4d8aa7eb2611b4898213.1

CERTIFICATE OF ANALYSIS

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Elixinol LLC

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

Delta 9 Gummy - EVG.ELIX.G3.3003

Batch ID or Lot Number: EVG.ELIX.G3.3003	Test: Microbial Contaminants	Reported: 03Apr2023	USDA License: N/A
Matrix: Finished Product	Test ID: T000240142	Started: 31Mar2023	Sampler ID: N/A
	Method(s): TM25 (qPCR) TM24, TM26, TM27 (Culture Plating): Microbial (Colorado Panel)	Received: 31Mar2023	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



Eden Thompson-Wright
03Apr2023
04:33:00 PM MDT



Brett Hudson
04Apr2023
06:14:00 PM MDT



PREPARED BY / DATE

APPROVED BY / DATE

<https://results.botanacor.com/api/v1/coas/uuid/40b2c571-16fd-46f6-928b-539ec1afc043>

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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Prepared for:
Elixinol LLC

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

Delta 9 Gummy - EVG.ELIX.G3.3003

Batch ID or Lot Number: EVG.ELIX.G3.3003	Test: Pesticides	Reported: 21Apr2023	USDA License: NA
Matrix: Concentrate	Test ID: T000240141	Started: 20Apr2023	Sampler ID: NA
	Method(s): TM17 (LC-QQ LC MS/MS)	Received: 31Mar2023	Status: NA

Pesticides

Pesticides	Dynamic Range (ppb)	Result (ppb)
Abamectin	288 - 2828	ND
Acephate	40 - 2763	ND
Acetamiprid	40 - 2708	ND
Azoxystrobin	44 - 2714	ND
Bifenazate	40 - 2688	ND
Boscalid	43 - 2728	ND
Carbaryl	40 - 2699	ND
Carbofuran	41 - 2690	ND
Chlorantraniliprole	45 - 2732	ND
Chlorpyrifos	41 - 2801	ND
Clofentezine	285 - 2727	ND
Diazinon	283 - 2736	ND
Dichlorvos	287 - 2753	ND
Dimethoate	41 - 2706	ND
E-Fenpyroximate	295 - 2776	ND
Etofenprox	41 - 2738	ND
Etoxazole	299 - 2739	ND
Fenoxycarb	41 - 2738	ND
Fipronil	56 - 2725	ND
Flonicamid	42 - 2775	ND
Fludioxonil	302 - 2665	ND
Hexythiazox	42 - 2732	ND
Imazalil	294 - 2706	ND
Imidacloprid	43 - 2758	ND
Kresoxim-methyl	42 - 2745	ND

Pesticides	Dynamic Range (ppb)	Result (ppb)
Malathion	302 - 2695	ND
Metalaxyl	43 - 2697	ND
Methiocarb	41 - 2721	ND
Methomyl	43 - 2742	ND
MGK 264 1	164 - 1656	ND
MGK 264 2	113 - 1058	ND
Myclobutanil	42 - 2719	ND
Naled	42 - 2712	ND
Oxamyl	41 - 2731	ND
Pacllobutrazol	45 - 2694	ND
Permethrin	312 - 2754	ND
Phosmet	41 - 2681	ND
Prophos	283 - 2712	ND
Propoxur	42 - 2698	ND
Pyridaben	295 - 2746	ND
Spinosad A	31 - 2088	ND
Spinosad D	69 - 670	ND
Spiromesifen	280 - 2738	ND
Spirotetramat	297 - 2732	ND
Spiroxamine 1	19 - 1212	ND
Spiroxamine 2	23 - 1520	ND
Tebuconazole	276 - 2721	ND
Thiacloprid	40 - 2710	ND
Thiamethoxam	41 - 2759	ND
Trifloxystrobin	43 - 2703	ND

Final Approval



Karen Winternheimer
21Apr2023
09:52:00 AM MDT

PREPARED BY / DATE



Sam Smith
21Apr2023
09:54:00 AM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/9f7d3dda-7cdf-4ddf-9bbf-6ca2ff4b14c3>

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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Cert. #4329.02
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CERTIFICATE OF ANALYSIS

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Elixinol LLC


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

Delta 9 Gummy - EVG.ELIX.G3.3003

Batch ID or Lot Number: EVG.ELIX.G3.3003	Test: Mycotoxins	Reported: 05Apr2023	USDA License: N/A
Matrix: Concentrate	Test ID: T000240144	Started: 04Apr2023	Sampler ID: N/A
	Method(s): TM18 (UHPLC-QQQ LCMS/MS): Mycotoxins	Received: 31Mar2023	Status: Active

Mycotoxins	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	2.40 - 125.90	ND	N/A
Aflatoxin B1	0.91 - 31.62	ND	
Aflatoxin B2	0.88 - 31.21	ND	
Aflatoxin G1	1.01 - 31.18	ND	
Aflatoxin G2	0.91 - 31.02	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

Final Approval



Sam Smith
05Apr2023
11:49:00 AM MDT

PREPARED BY / DATE



Karen Winternheimer
05Apr2023
11:51:00 AM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/bdab9d27-5c28-44fb-9fd8-94338d6f5b24>

Definitions

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Cert #4329.02

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