

Prepared for:
Elixinol LLC

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

Gummy, Calm, Destress, 225mg, 30ct



Batch ID or Lot Number: EVG.ELIX.FG2.3000	Test, Test ID and Methods: Various	Matrix: Unit	Page 1 of 4
Reported: 22Jul2023	Started: 21Jul2023	Received: 20Jul2023	

Cannabinoids - Colorado Compliance

Test ID: T000248286
Methods: TM14 (HPLC-DAD): Potency – Standard
Cannabinoid Analysis

	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.231	0.727	<LOQ	<LOQ	# of Servings = 1 Sample Weight=2.902g
Cannabichromenic Acid (CBCA)	0.212	0.665	ND	ND	
Cannabidiol (CBD)	0.715	1.934	10.174	3.51	
Cannabidiolic Acid (CBDA)	0.733	1.984	ND	ND	
Cannabidivarin (CBDV)	0.169	0.457	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.306	0.828	ND	ND	
Cannabigerol (CBG)	0.131	0.413	<LOQ	<LOQ	
Cannabigerolic Acid (CBGA)	0.549	1.726	ND	ND	
Cannabinol (CBN)	0.171	0.539	<LOQ	<LOQ	
Cannabinolic Acid (CBNA)	0.375	1.177	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.654	2.056	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.594	1.867	ND	ND	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.526	1.654	ND	ND	
Tetrahydrocannabivarin (THCV)	0.119	0.375	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.464	1.459	ND	ND	
Total Cannabinoids			10.174	3.51	
Total Potential THC			ND	ND	
Total Potential CBD			10.174	3.51	

Final Approval

 K Winternheimer PREPARED BY / DATE	Karen Winternheimer 22Jul2023 10:10:00 AM MDT	 Samantha Smith APPROVED BY / DATE	Sam Smith 22Jul2023 10:14:00 AM MDT
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Heavy Metals - Colorado Compliance

Test ID: T000248289
Methods: TM19 (ICP-MS): Heavy

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.04 - 4.37	ND	
Cadmium	0.05 - 4.55	ND	
Mercury	0.06 - 5.54	ND	
Lead	0.04 - 4.49	ND	

Final Approval

 Samantha Smith PREPARED BY / DATE	Sam Smith 25Jul2023 01:20:00 PM MDT	 K Winternheimer APPROVED BY / DATE	Karen Winternheimer 25Jul2023 01:23:00 PM MDT
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Microbial Contaminants - Colorado Compliance

Test ID: T000248288
Methods: TM25 (qPCR) TM24, TM26,
TM27 (Culture Plating): Microbial
(Colorado Panel)

	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 25Jul2023 01:39:00 PM MDT		Brianne Maillot 25Jul2023 03:41:00 PM MDT
PREPARED BY / DATE		APPROVED BY / DATE	

Mycotoxins - Colorado Compliance

Test ID: T000248290
Methods: TM18 (UHPLC-QQQ
LCMS/MS): Mycotoxins

	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	2.38 - 132.84	ND	N/A
Aflatoxin B1	0.93 - 31.56	ND	
Aflatoxin B2	1.08 - 31.59	ND	
Aflatoxin G1	1.17 - 31.50	ND	
Aflatoxin G2	1.08 - 31.81	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

Final Approval

	Sam Smith 27Jul2023 07:32:00 AM MDT		Karen Winternheimer 27Jul2023 07:37:00 AM MDT
PREPARED BY / DATE		APPROVED BY / DATE	

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Pesticides


Test ID: T000248287

Methods: TM17

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)		Dynamic Range (ppb)	Result (ppb)	
Abamectin	268 - 2844	ND		Malathion	284 - 2765	ND
Acephate	42 - 2750	ND		Metalaxyl	42 - 2747	ND
Acetamiprid	41 - 2769	ND		Methiocarb	42 - 2785	ND
Azoxystrobin	42 - 2753	ND		Methomyl	39 - 2784	ND
Bifenazate	45 - 2725	ND		MGK 264 1	161 - 1688	ND
Boscalid	46 - 2724	ND		MGK 264 2	107 - 1070	ND
Carbaryl	43 - 2733	ND		Myclobutanil	48 - 2763	ND
Carbofuran	43 - 2729	ND		Naled	49 - 2738	ND
Chlorantraniliprole	39 - 2751	ND		Oxamyl	40 - 2789	ND
Chlorpyrifos	42 - 2743	ND		Paclobutrazol	42 - 2713	ND
Clofentezine	278 - 2762	ND		Permethrin	276 - 2768	ND
Diazinon	302 - 2751	ND		Phosmet	42 - 2738	ND
Dichlorvos	272 - 2804	ND		Prophos	279 - 2785	ND
Dimethoate	40 - 2747	ND		Propoxur	42 - 2722	ND
E-Fenpyroximate	295 - 2751	ND		Pyridaben	301 - 2699	ND
Etofenprox	44 - 2734	ND		Spinosad A	28 - 2095	ND
Etoxazole	300 - 2724	ND		Spinosad D	66 - 664	ND
Fenoxycarb	2 - 2727	ND		Spiromesifen	294 - 2738	ND
Fipronil	52 - 2695	ND		Spirotetramat	295 - 2805	ND
Flonicamid	45 - 2783	ND		Spiroxamine 1	18 - 1248	ND
Fludioxonil	294 - 2761	ND		Spiroxamine 2	22 - 1532	ND
Hexythiazox	44 - 2740	ND		Tebuconazole	284 - 2736	ND
Imazalil	277 - 2786	ND		Thiacloprid	41 - 2741	ND
Imidacloprid	42 - 2796	ND		Thiamethoxam	39 - 2796	ND
Kresoxim-methyl	46 - 2746	ND		Trifloxystrobin	43 - 2712	ND

Final Approval


 Sam Smith
 28Jul2023
 12:20:00 PM MDT
 PREPARED BY / DATE


 Karen Winternheimer
 28Jul2023
 12:27:00 PM MDT
 APPROVED BY / DATE

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<https://results.botanacor.com/api/v1/coas/uuid/3f40d6f6-c3fa-43bc-adbc-1e1897c3bb3f>

Definitions
LOD = Limit of Detection, ULOQ = Upper Limit of Quantitation, LLOQ = Lower Limit of Quantitation, PPB = Parts per Billion, % = % (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)). Fail equates to a concentration level of Delta 9-THC, on a dry weight basis, higher than 0.3 percent + or - the measurement uncertainty. Total Potential THC 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)). ALOQ = Above Limit Of Quantitation (defined by dynamic range of the method), CFU/g = Colony Forming Units 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: 10² = 100 CFU, 10³ = 1,000 CFU, 10⁴ = 10,000 CFU, 10⁵ = 100,000 CFU.

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. Some tests listed on this COA may not be within our scope of A2LA accreditation. Please visit [A2LA for more details](#).



Cert #4329.02
3f40d6f6c3fa43bcadbc1e1897c3bb3f.1

Certificate of Analysis

Elixinol, LLC

10170 Church Ranch
Westminster Colorado 80021 United States

Sample Name:	Gummy Calm Destress 225mg 30ct EVG. ELIX.FG2.30	Eurofins Sample:	13101485
Project ID	ELIXINOL-20230706-0012	Receipt Date	24-Jul-2023
PO Number	PO-0031	Receipt Condition	Ambient temperature
Lot Number	EVG.ELIX.FG2.30	Login Date	06-Jul-2023
Sample Serving Size	1 Piece	Date Started	24-Jul-2023
		Sampled	Sample results apply as received
		Online Order	901-2023-E040175

Analysis	Result
Calculated Sample Weight *	
Entity Weight	2.8934 g
Enterobacteriaceae Plate Count *	
Enterobacteriaceae	<10 CFU/g
Glyphosate and AMPA	
Glyphosate	<100 ng/g
AMPA	<100 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

* This analysis or component is not ISO accredited.

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Lot Number	EVG.ELIX.FG2.30	Login Date	06-Jul-2023
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		Sampled	Sample results apply as received
		Online Order	901-2023-E040175

Analysis	LOQ	Limit	Result	Pass/Fail
Residual Solvents - Class 1, 2a, 2b and 3				
Tetrahydrofuran	720 ppm	720 ppm	<720 ppm	Pass
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	<200 ppm	Pass
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

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PO Number	PO-0031	Receipt Condition	Ambient temperature
Lot Number	EVG.ELIX.FG2.30	Login Date	06-Jul-2023
Sample Serving Size	1 Piece	Date Started	24-Jul-2023
		Sampled	Sample results apply as received
		Online Order	901-2023-E040175

Analysis	LOQ	Limit	Result	Pass/Fail
Residual Solvents - Class 1, 2a, 2b and 3				
Total Class 3 Residual Solvents	5000 ppm	5000 ppm	<5000 ppm	Pass

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

* This analysis or component is not ISO accredited.

Printed: 27-Jul-2023 10:01 pm

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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.