

Prepared for:

Active Body Comfort Caps - 21082001-01
Elixinol LLC

Batch ID or Lot Number: 21082001-01	Test: Potency	Reported: 11/12/21	Location: 10170 Church Ranch Way, Ste 400 Westminster, CO 80021
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Matrix: Solution	Test ID: T000175240	Started: 11/10/21	USDA License: N/A
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Status: N/A	Method: TM14 (HPLC-DAD): Potency - Standard Cannabinoid Analysis (Colorado Panel)	Received: 11/09/2021 @ 09:16 AM	Sampler ID: N/A
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CANNABINOID PROFILE

Compound	LOD (mg/mL)	LOQ (mg/mL)	Result (mg/mL)	Result (mg/g)	Notes
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.133	0.453	ND	ND	Density = 0.957g/mL
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.150	0.512	0.564	0.59	
Cannabidiolic acid (CBDA)	0.172	0.543	0.21*	0.22*	
Cannabidiol (CBD)	0.167	0.529	27.335	28.56	
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.165	0.563	ND	ND	
Cannabinolic Acid (CBNA)	0.094	0.323	0.384	0.40	
Cannabinol (CBN)	0.043	0.148	0.075*	0.08*	
Cannabigerolic acid (CBGA)	0.138	0.473	ND	ND	
Cannabigerol (CBG)	0.033	0.113	0.278	0.29	
Tetrahydrocannabivarinic Acid (THCVA)	0.117	0.400	ND	ND	
Tetrahydrocannabivarin (THCV)	0.030	0.103	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.072	0.226	ND	ND	
Cannabidivarin (CBDV)	0.040	0.125	0.1*	0.1*	
Cannabichromenic Acid (CBCA)	0.053	0.182	ND	ND	
Cannabichromene (CBC)	0.058	0.199	ND	ND	
Total Cannabinoids			28.946	30.25	
Total Potential THC**			0.564	0.59	
Total Potential CBD**			27.519	28.76	

K Winterheimer
 Karen Winterheimer
 12-Nov-2021
 04:47 PM

Daniel Weidensaul
 Daniel Weidensaul
 12-Nov-21
 4:54 PM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

% = % (w/w) = Percent (Weight of Analyte / Weight of Product)

* Indicates a value below the Limit of Quantitation (LOQ) and above the Limit of Detection (LOD).

** Total Potential THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step.

$$\text{Total THC} = \text{THC} + (\text{THCa} \times 0.877)$$

$$\text{Total CBD} = \text{CBD} + (\text{CBDa} \times 0.877)$$

Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.

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.



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Certificate #4329.02

Prepared for:

Active Body Comfort Caps - 21082001-01
Elixinol LLC


Batch ID or Lot Number: 21082001-01	Test: Pesticides	Reported: 11/11/21	Location: 10170 Church Ranch Way, Ste 400 Westminster, CO 80021
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Matrix: Concentrate	Test ID: T000175241	Started: 11/10/21	USDA License: N/A
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Status: N/A	Method: TM17(LC-QQQ LC MS/MS):	Received: 11/09/2021 @ 09:16 AM	Sampler ID: N/A
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PESTICIDE DETERMINATION

Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)
Acephate	53	ND	Fenoxycarb	62	ND	Paclobutrazol	58	ND
Acetamiprid	54	ND	Fipronil	86	ND	Permethrin	380	ND
Avermectin	473	ND	Flonicamid	67	ND	Phosmet	58	ND
Azoxystrobin	59	ND	Fludioxonil	412	ND	Prophos	358	ND
Bifenazate	54	ND	Hexythiazox	50	ND	Propoxur	54	ND
Boscalid	70	ND	Imazalil	357	ND	Pyridaben	364	ND
Carbaryl	51	ND	Imidacloprid	58	ND	Spinosad A	45	ND
Carbofuran	53	ND	Kresoxim-methyl	150	ND	Spinosad D	65	ND
Chlorantraniliprole	70	ND	Malathion	363	ND	Spiromesifen	337	ND
Chlorpyrifos	500	ND	Metalaxyl	56	ND	Spirotetramat	388	ND
Clofentezine	355	ND	Methiocarb	55	ND	Spiroxamine 1	24	ND
Diazinon	359	ND	Methomyl	52	ND	Spiroxamine 2	32	ND
Dichlorvos	371	ND	MGK 264 1	200	ND	Tebuconazole	357	ND
Dimethoate	56	ND	MGK 264 2	148	ND	Thiacloprid	54	ND
E-Fenpyroximate	369	ND	Myclobutanil	54	ND	Thiamethoxam	57	ND
Etofenprox	55	ND	Naled	58	ND	Trifloxystrobin	54	ND
Etoxazole	379	ND	Oxamyl	1500	ND			


 Daniel Weidensaul
 11/11/2021
 12:07:00 PM


 Sam Smith
 11/11/2021
 12:15:00 PM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

LOQ = Limit of Quantification
 ppb = Parts per Billion

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.



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Prepared for:

Active Body Comfort Caps - 21082001-01

Elixinol LLC

Batch ID or Lot Number: 21082001-01	Test: Metals	Reported: 11/15/21	Location: 10170 Church Ranch Way, Ste 400 Westminster, CO 80021
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Matrix: Unit Co	Test ID: T000175243	Started: 11/14/21	USDA License: N/A
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Status: N/A	Method: TM19 (ICP-MS): Heavy Metals (Colorado Panel)	Received: 11/09/2021 @ 09:16 AM	Sampler ID: N/A
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HEAVY METALS DETERMINATION

Compound	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.043 - 4.28	ND	
Cadmium	0.045 - 4.47	ND	
Mercury	0.044 - 4.38	ND	
Lead	0.044 - 4.39	ND	


 Daniel Weidensaul
 15-Nov-21
 5:47 PM


 Courtney Richards
 15-Nov-21
 6:44 PM

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APPROVED BY / DATE

Definitions

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

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Prepared for:

Active Body Comfort Caps - 21082001-01

Elixinol LLC

Batch ID or Lot Number: 21082001-01	Test: Residual Solvents	Reported: 11/15/21	Location: 10170 Church Ranch Way, Ste 400 Westminster, CO 80021
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Matrix: N/A	Test ID: T000175244	Started: 11/15/21	USDA License: N/A
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Status: N/A	Methods: TM04 (GC-MS): Residual Solvents (Colorado Panel)	Received: 11/09/2021 @ 09:16 AM	Sampler ID: N/A
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RESIDUAL SOLVENTS DETERMINATION

Solvent	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	68 - 1353	*ND	
Butanes (Isobutane, n-Butane)	137 - 2730	*ND	
Methanol	52 - 1042	*ND	
Pentane	69 - 1384	*ND	
Ethanol	80 - 1591	146	
Acetone	79 - 1586	*ND	
Isopropyl Alcohol	95 - 1898	*ND	
Hexane	5 - 98	25	
Ethyl Acetate	84 - 1677	360	
Benzene	0.2 - 3.2	*ND	
Heptanes	76 - 1521	*ND	
Toluene	16 - 315	*ND	
Xylenes (m,p,o-Xylenes)	126 - 2515	*ND	

 Hannah Wright
15-Nov-21
4:02 PM

 Sam Smith
15-Nov-21
4:08 PM

PREPARED BY / DATE

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Definitions

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

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Prepared for:

Active Body Comfort Caps - 21082001-01
Elixinol LLC

Batch ID or Lot Number: 21082001-01	Test: Microbial Contaminants	Reported: 11/12/21	Location: 10170 Church Ranch Way, Ste 400 Westminster, CO 80021
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Matrix: Finished Product	Test ID: T000175242	Started: 11/9/21	USDA License: N/A
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Status: N/A	Methods: TM25 (qPCR) TM24, TM26, TM27(Culture Plating): Microbial (Colorado Panel)	Received: 11/09/2021 @ 09:16 AM	Sampler ID: N/A
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MICROBIAL CONTAMINANTS DETERMINATION

Contaminant	Method	LOD	LLOQ	ULOQ	Result	Notes
Total Aerobic Count*	TM-26, Culture Plating	10 ² CFU/g	10 ³ CFU/g	1.5x10 ⁵ CFU/g	None Detected	Free from visual mold, mildew, and foreign matter
Total Coliforms*	TM-27, Culture Plating	10 ¹ CFU/g	10 ² CFU/g	1.5x10 ⁴ CFU/g	None Detected	
Total Yeast and Mold*	TM-24, Culture Plating	10 ¹ CFU/g	10 ² CFU/g	1.5x10 ⁴ CFU/g	<LLOQ	
E. coli (STEC)	TM-25, PCR	1 CFU/25 g	NA	NA	Absent	
Salmonella	TM-25, PCR	1 CFU/25 g	NA	NA	Absent	

Carly Bader
 Carly Bader
 11/12/2021
 2:55:00 PM

Brett Hudson
 Brett Hudson
 11/12/2021
 3:44:00 PM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

LOD = Limit of Detection | LLOQ = Lower Limit of Quantitation | ULOQ = Upper Limit of Quantitation
 CFU/g = Colony Forming Units per Gram | STEC = Shiga Toxin-Producing *E. coli*
 * 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

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Prepared for:

Active Body Comfort Caps - 21082001-01

Elixinol LLC


Batch ID or Lot Number: 21082001-01	Test: Mycotoxins	Reported: 11/12/21	Location: 10170 Church Ranch Way, Ste 400 Westminster, CO 80021
Matrix: Concentrate	Test ID: T000175245	Started: 11/11/21	USDA License: N/A
Status: N/A	Method: TM18 (UHPLC-QQQ LCMS/MS): Mycotoxins (Colorado Panel)	Received: 11/09/2021 @ 09:16 AM	Sampler ID: N/A

MYCOTOXIN DETERMINATION

Compound	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	2.9 - 136.3	ND	N/A
Aflatoxin B1	1.1 - 34.7	ND	
Aflatoxin B2	1.1 - 35	ND	
Aflatoxin G1	1.1 - 34.9	ND	
Aflatoxin G2	1 - 34	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

 Ryan Weems
12-Nov-21
1:31 PM

PREPARED BY / DATE

 Sam Smith
12-Nov-21
1:40 PM

APPROVED BY / DATE

Definitions

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

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Certificate #4329.02

Certificate of Analysis

Elixinol, LLC

10170 Church Ranch
Westminster Colorado 80021 United States

Sample Name:	Active Body Comfort Caps - 21092001-01	Eurofins Sample:	11129405
Project ID	ELIXINOL-20211108-0038	Receipt Date	09-Nov-2021
PO Number	CVD	Receipt Condition	Ambient temperature
Lot Number	21082001-01	Login Date	08-Nov-2021
Sample Serving Size	1 Cap	Date Started	11-Nov-2021
		Sampled	Sample results apply as received
		Number Composited	20
		Online Order	13484-164BFE68

Analysis	Result
Calculated Sample Weight *	
Entity Weight	0.8080 g
Entity Fill Weight	0.6725 g
Enterobacteriaceae Plate Count *	
Enterobacteriaceae	<10 CFU/g
Glyphosate and AMPA	
Glyphosate	<100 ng/g
AMPA	<100 ng/g

Method References	Testing Location
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Calculated Sample Weight (PREP)	Food Integrity Innovation-Madison 6304 Ronald Reagan Ave Madison, WI 53704 USA
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Enterobacteriaceae Plate Count (EBPC)	EML New Berlin 2345 S 170th St New Berlin, WI 53151 USA
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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
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Monsanto Company Method ME-1466-02, "High Throughput Assay for Glyphosate and AMPA in Raw Agricultural Commodities and Processed Fractions Using LC/MS/MS".

Certificate of Analysis

Elixinol, LLC

10170 Church Ranch
Westminster Colorado 80021 United States

Testing Location(s)**Released on Behalf of Eurofins by****Food Integrity Innovation-Madison**

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

Edward Ladwig - President Eurofins Food
Chemistry Testing Madison



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.