

Prepared for:

**THC Free Warming Balm - 23J5L11**
**Elixinol LLC**


Batch ID or Lot Number: <b>23J5L11</b>	Test: <b>Potency</b>	Reported: <b>12/10/21</b>	Location: 10170 Church Ranch Way, Ste 400 Westminster, CO 80021
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Matrix: Concentrate	Test ID: T000180767	Started: 12/9/21	USDA License: N/A
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Status: N/A	Method: TM14 (HPLC-DAD): Potency - Standard Cannabinoid Analysis (Colorado Panel)	Received: 12/08/2021 @ 08:59 AM	Sampler ID: N/A
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**CANNABINOID PROFILE**

Compound	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)	Notes
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.014	0.043	ND	ND	N/A
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.015	0.049	ND	ND	
Cannabidiolic acid (CBDA)	0.016	0.051	ND	ND	
Cannabidiol (CBD)	0.016	0.050	0.650	6.50	
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.017	0.054	ND	ND	
Cannabinolic Acid (CBNA)	0.010	0.031	ND	ND	
Cannabinol (CBN)	0.004	0.014	ND	ND	
Cannabigerolic acid (CBGA)	0.014	0.045	ND	ND	
Cannabigerol (CBG)	0.003	0.011	0.018	0.18	
Tetrahydrocannabivarinic Acid (THCVA)	0.012	0.038	ND	ND	
Tetrahydrocannabivarin (THCV)	0.003	0.010	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.007	0.021	ND	ND	
Cannabidivarin (CBDV)	0.004	0.012	ND	ND	
Cannabichromenic Acid (CBCA)	0.005	0.017	ND	ND	
Cannabichromene (CBC)	0.006	0.019	ND	ND	
<b>Total Cannabinoids</b>			<b>0.668</b>	<b>6.68</b>	
Total Potential THC**			ND	ND	
Total Potential CBD**			0.650	6.50	

  
 Hannah Wright  
 10-Dec-2021  
 03:40 PM

  
 Daniel Weidensaul  
 10-Dec-21  
 3:45 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.

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

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

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 Recovery Balm THC-Free - 23J5L11**
**Elixinol LLC**

Batch ID or Lot Number: <b>23J5L11</b>	Test: <b>Pesticides</b>	Reported: <b>12/2/21</b>	Location: 10170 Church Ranch Way, Ste 400 Westminster, CO 80021
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Matrix: Concentrate	Test ID: T000178273	Started: 12/1/21	USDA License: N/A
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Status: N/A	Method: TM17(LC-QQQ LC MS/MS):	Received: 11/23/2021 @ 03:12 PM	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	39	ND	Fenoxycarb	43	ND	Paclobutrazol	48	ND
Acetamiprid	41	ND	Fipronil	50	ND	Permethrin	284	ND
Avermectin	339	ND	Flonicamid	48	ND	Phosmet	39	ND
Azoxystrobin	46	ND	Fludioxonil	316	ND	Prophos	312	ND
Bifenazate	41	ND	Hexythiazox	39	ND	Propoxur	44	ND
Boscalid	36	ND	Imazalil	283	ND	Pyridaben	290	ND
Carbaryl	41	ND	Imidacloprid	50	ND	Spinosad A	35	ND
Carbofuran	44	ND	Kresoxim-methyl	150	ND	Spinosad D	52	ND
Chlorantraniliprole	67	ND	Malathion	302	ND	Spiromesifen	290	ND
Chlorpyrifos	500	ND	Metalaxyl	44	ND	Spirotetramat	290	ND
Clofentezine	293	ND	Methiocarb	43	ND	Spiroxamine 1	19	ND
Diazinon	284	ND	Methomyl	42	ND	Spiroxamine 2	24	ND
Dichlorvos	293	ND	MGK 264 1	203	ND	Tebuconazole	306	ND
Dimethoate	42	ND	MGK 264 2	123	ND	Thiacloprid	41	ND
E-Fenpyroximate	280	ND	Myclobutanil	42	ND	Thiamethoxam	43	ND
Etofenprox	44	ND	Naled	47	ND	Trifloxystrobin	44	ND
Etoxazole	304	ND	Oxamyl	1500	ND			


 Karen Winternheimer  
 12/2/2021  
 3:50:00 PM


 Sam Smith  
 12/2/2021  
 3:57:00 PM

PREPARED BY / DATE

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**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 Recovery Balm THC-Free - 23J5L11**

**Elixinol LLC**

Batch ID or Lot Number: <b>23J5L11</b>	Test: <b>Metals</b>	Reported: <b>12/1/21</b>	Location: 10170 Church Ranch Way, Ste 400 Westminster, CO 80021
Matrix: Unit Co	Test ID: T000178275	Started: 11/30/21	USDA License: N/A
Status: N/A	Method: TM19 (ICP-MS): Heavy Metals (Colorado Panel)	Received: 11/23/2021 @ 03:12 PM	Sampler ID: N/A

## HEAVY METALS DETERMINATION

Compound	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.046 - 4.63	ND	
Cadmium	0.045 - 4.47	ND	
Mercury	0.044 - 4.42	ND	
Lead	0.044 - 4.42	ND	

 Ryan Weems  
 1-Dec-21  
 3:19 PM

PREPARED BY / DATE

 Sam Smith  
 1-Dec-21  
 3:22 PM

APPROVED BY / DATE

### Definitions

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

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Prepared for:

**Active Recovery Balm THC-Free - 23J5L11**

**Elixinol LLC**


Batch ID or Lot Number: <b>23J5L11</b>	Test: <b>Residual Solvents</b>	Reported: <b>11/30/21</b>	Location: 10170 Church Ranch Way, Ste 400 Westminster, CO 80021
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Matrix: N/A	Test ID: T000178276	Started: 11/30/21	USDA License: N/A
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Status: N/A	Methods: TM04 (GC-MS): Residual Solvents (Colorado Panel)	Received: 11/23/2021 @ 03:12 PM	Sampler ID: N/A
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## RESIDUAL SOLVENTS DETERMINATION

Solvent	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	105 - 2091	*ND	
Butanes (Isobutane, n-Butane)	207 - 4138	*ND	
Methanol	61 - 1227	*ND	
Pentane	85 - 1702	*ND	
Ethanol	87 - 1738	*ND	
Acetone	100 - 2006	*ND	
Isopropyl Alcohol	105 - 2092	*ND	
Hexane	6 - 121	*ND	
Ethyl Acetate	101 - 2010	*ND	
Benzene	0.2 - 4	*ND	
Heptanes	95 - 1894	*ND	
Toluene	18 - 366	*ND	
Xylenes (m,p,o-Xylenes)	132 - 2637	*ND	

 Daniel Weidensaul  
30-Nov-21  
7:54 PM

 Ryan Weems  
30-Nov-21  
8:02 PM

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### Definitions

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Prepared for:

**Active Recovery Balm THC-Free - 23J5L11**
**Elixinol LLC**


Batch ID or Lot Number: <b>23J5L11</b>	Test: <b>Microbial Contaminants</b>	Reported: <b>12/2/21</b>	Location: 10170 Church Ranch Way, Ste 400 Westminster, CO 80021
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Matrix: Finished Product	Test ID: T000178274	Started: 11/29/21	USDA License: N/A
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Status: N/A	Methods: TM25 (qPCR) TM24, TM26, TM27(Culture Plating): Microbial (Colorado Panel)	Received: 11/23/2021 @ 03:12 PM	Sampler ID: N/A
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**MICROBIAL CONTAMINANTS DETERMINATION**

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

  
 Jackson Osaghae-Nosa  
 12/2/2021  
 9:49:00 AM

  
 Brianne Maillot  
 12/2/2021  
 10:36:00 AM

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: 10<sup>2</sup> = 100 CFU  
 10<sup>3</sup> = 1,000 CFU  
 10<sup>4</sup> = 10,000 CFU  
 10<sup>5</sup> = 100,000 CFU

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Prepared for:

**Active Recovery Balm THC-Free - 23J5L11**
**Elixinol LLC**

Batch ID or Lot Number: <b>23J5L11</b>	Test: <b>Mycotoxins</b>	Reported: <b>12/2/21</b>	Location: 10170 Church Ranch Way, Ste 400 Westminster, CO 80021
Matrix: Concentrate	Test ID: T000178277	Started: 11/30/21	USDA License: N/A
Status: N/A	Method: TM18 (UHPLC-QQQ LCMS/MS): Mycotoxins (Colorado Panel)	Received: 11/23/2021 @ 03:12 PM	Sampler ID: N/A

**MYCOTOXIN DETERMINATION**

Compound	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	2.3 - 126.3	ND	N/A
Aflatoxin B1	1.1 - 31.9	ND	
Aflatoxin B2	1 - 31.9	ND	
Aflatoxin G1	0.9 - 31	ND	
Aflatoxin G2	1.1 - 30.4	ND	
<b>Total Aflatoxins (B1, B2, G1, and G2)</b>		ND	



 Sam Smith  
 2-Dec-21  
 8:57 AM

PREPARED BY / DATE



 Alex Smith  
 2-Dec-21  
 12:20 PM

APPROVED BY / DATE

**Definitions**

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

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## Certificate of Analysis

### Elixinol, LLC

10170 Church Ranch  
Westminster Colorado 80021 United States

<b>Sample Name:</b>	<b>Active Recovery Balm THC-Free - 23J5 L11</b>	<b>Eurofins Sample:</b>	<b>11181772</b>
<b>Project ID</b>	ELIXINOL-20211123-0045	<b>Receipt Date</b>	24-Nov-2021
<b>PO Number</b>	CVD	<b>Receipt Condition</b>	Ambient temperature
<b>Lot Number</b>	23J5L11	<b>Login Date</b>	23-Nov-2021
<b>Sample Serving Size</b>	1 mL	<b>Date Started</b>	30-Nov-2021
		<b>Sampled</b>	Sample results apply as received
		<b>Online Order</b>	13484-165F9A92

Analysis	Result
<b>Enterobacteriaceae Plate Count *</b>	
Enterobacteriaceae	<10 CFU/g
<b>Glyphosate and AMPA</b>	
Glyphosate	<100 ng/g
AMPA	<100 ng/g

Method References	Testing Location
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<b>Enterobacteriaceae Plate Count (EBPC)</b>	<b>EML New Berlin</b> 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.

<b>Glyphosate and AMPA (GLY_AMPAS)</b>	<b>Food Integrity Innovation-Madison</b> 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".

Testing Location(s)	Released on Behalf of Eurofins by
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<b>Food Integrity Innovation-Madison</b>	<b>Edward Ladwig - President Eurofins Food Chemistry Testing Madison</b>
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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.

\* This analysis or component is not ISO accredited.

Printed: 06-Dec-2021 11:23 pm

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