

Prepared for:  
**Elixinol LLC**

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

## Unwind Delta 9 Tinc EVG.ELIX.750150MFSOD9BO.0038


Batch ID or Lot Number: <b>EVG.ELIX.750150MFSOD9BO.0038</b>	Test, Test ID and Methods: Various	Matrix: Finished Product	Page 1 of 4
Reported: <b>10Jul2023</b>	Started: 07Jul2023	Received: 07Jul2023	

### Mycotoxins - Colorado Compliance

Test ID: T000243891  
Methods: TM18 (UHPLC-QQQ)  
LCMS/MS: Mycotoxins

	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	2.49 - 132.63	ND	N/A
Aflatoxin B1	0.97 - 32.92	ND	
Aflatoxin B2	0.94 - 33.12	ND	
Aflatoxin G1	1.10 - 32.73	ND	
Aflatoxin G2	0.94 - 33.05	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

#### Final Approval

  
Sam Smith  
10Jul2023  
09:01:00 AM MDT  
PREPARED BY / DATE

  
Karen Winternheimer  
10Jul2023  
09:03:00 AM MDT  
APPROVED BY / DATE


### Microbial Contaminants - Colorado Compliance

Test ID: T000243888  
Methods: TM25 (qPCR) TM24, TM26,  
TM27 (Culture Plating): Microbial  
(Colorado Panel)

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

#### Final Approval

  
Eden Thompson-Wright  
10Jul2023  
04:31:00 PM MDT  
PREPARED BY / DATE

  
Brett Hudson  
10Jul2023  
04:52:00 PM MDT  
APPROVED BY / DATE

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### Heavy Metals - Colorado Compliance

Test ID: T000243889  
Methods: TM19 (ICP-MS): Heavy Metals

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.04 - 4.27	ND	
Cadmium	0.04 - 4.39	ND	
Mercury	0.04 - 4.47	ND	
Lead	0.04 - 4.47	ND	

#### Final Approval

  
Sam Smith  
11Jul2023  
10:51:00 AM MDT  
PREPARED BY / DATE


  
Karen Winternheimer  
11Jul2023  
10:53:00 AM MDT  
APPROVED BY / DATE


### Cannabinoids - Colorado Compliance

Test ID: T000243886  
Methods: TM14 (HPLC-DAD): Potency - Standard  
Cannabinoid Analysis

	LOD (mg/mL)	LOQ (mg/mL)	Result (mg/mL)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.067	0.213	1.125	1.19	Density =
Cannabichromenic Acid (CBCA)	0.061	0.195	ND	ND	0.942688g/mL
Cannabidiol (CBD)	0.201	0.542	15.047	15.96	
Cannabidiolic Acid (CBDA)	0.206	0.556	ND	ND	
Cannabidivarin (CBDV)	0.048	0.128	0.672	0.71	
Cannabidivarinic Acid (CBDVA)	0.086	0.232	ND	ND	
Cannabigerol (CBG)	0.038	0.121	0.536	0.57	
Cannabigerolic Acid (CBGA)	0.158	0.505	ND	ND	
Cannabinol (CBN)	0.049	0.158	<LOQ	<LOQ	
Cannabinolic Acid (CBNA)	0.108	0.345	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.188	0.602	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.171	0.547	2.849	3.02	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.152	0.484	ND	ND	
Tetrahydrocannabivarin (THCV)	0.034	0.110	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.134	0.427	ND	ND	
<b>Total Cannabinoids</b>			<b>20.229</b>	<b>21.45</b>	
Total Potential THC			2.849	3.02	
Total Potential CBD			15.047	15.96	

#### Final Approval

  
Sam Smith  
12Jul2023  
10:27:00 AM MDT  
PREPARED BY / DATE

  
Karen Winternheimer  
12Jul2023  
10:35:00 AM MDT  
APPROVED BY / DATE

Prepared for:  
**Elixinol LLC**

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

## Unwind Delta 9 Tinc EVG.ELIX.750150MFSOD9BO.0038

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### Density Analysis


Test ID: T000243890


Methods: TL-SOP-0034 (Gravimetric) **Result**

**Notes**

Density	0.943 g/ml	Free from visual mold, mildew, and foreign matter N/A
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### Final Approval

  
Sam Smith  
12Jul2023  
09:41:00 AM MDT  
PREPARED BY / DATE

  
Karen Winternheimer  
12Jul2023  
10:14:00 AM MDT  
APPROVED BY / DATE


### Pesticides


Test ID: T000243887

Methods: TM17

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)	Dynamic Range (ppb)	Result (ppb)	
Abamectin	254 - 2710	ND	Malathion	298 - 2762	ND
Acephate	44 - 2724	ND	Metalaxyl	40 - 2764	ND
Acetamiprid	42 - 2716	ND	Methiocarb	42 - 2806	ND
Azoxystrobin	44 - 2756	ND	Methomyl	42 - 2753	ND
Bifenazate	40 - 2754	ND	MGK 264 1	170 - 1665	ND
Boscalid	45 - 2817	ND	MGK 264 2	110 - 1056	ND
Carbaryl	40 - 2706	ND	Myclobutanil	40 - 2854	ND
Carbofuran	43 - 2709	ND	Naled	45 - 2760	ND
Chlorantraniliprole	47 - 2839	ND	Oxamyl	42 - 2745	ND
Chlorpyrifos	36 - 2768	ND	Paclobutrazol	42 - 2731	ND
Clofentezine	285 - 2782	ND	Permethrin	293 - 2713	ND
Diazinon	279 - 2756	ND	Phosmet	43 - 2744	ND
Dichlorvos	279 - 2771	ND	Prophos	282 - 2776	ND
Dimethoate	42 - 2719	ND	Propoxur	43 - 2728	ND
E-Fenpyroximate	288 - 2796	ND	Pyridaben	294 - 2751	ND
Etofenprox	43 - 2727	ND	Spinosad A	32 - 2082	ND
Etoxazole	297 - 2746	ND	Spinosad D	64 - 680	ND
Fenoxycarb	12 - 2794	ND	Spiromesifen	277 - 2756	ND
Fipronil	65 - 2712	ND	Spirotetramat	280 - 2803	ND
Flonicamid	51 - 2752	ND	Spiroxamine 1	16 - 1215	ND
Fludioxonil	300 - 2843	ND	Spiroxamine 2	21 - 1596	ND
Hexythiazox	41 - 2755	ND	Tebuconazole	289 - 2740	ND
Imazalil	288 - 2795	ND	Thiacloprid	42 - 2707	ND
Imidacloprid	43 - 2793	ND	Thiamethoxam	43 - 2760	ND
Kresoxim-methyl	39 - 2782	ND	Trifloxystrobin	43 - 2714	ND

### Final Approval

  
Karen Winternheimer  
13Jul2023  
12:43:00 PM MDT  
PREPARED BY / DATE

  
Sam Smith  
13Jul2023  
12:45:00 PM MDT  
APPROVED BY / DATE

Prepared for:  
**Elixinol LLC**

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

**Unwind Delta 9 Tinc**  
**EVG.ELIX.750150MFSOD9BO.0038**

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<https://results.botanacor.com/api/v1/coas/uuid/49507751-0fe4-430a-a1ef-20ada0227761>

**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: 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.

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  
495077510fe4430aa1ef20ada0227761.1

## Certificate of Analysis

### Elixinol, LLC

10170 Church Ranch  
Westminster Colorado 80021 United States

<b>Sample Name:</b>	<b>Unwind Delta 9 Tinc EVG.ELIX.750150 MFSOD9BO.0038</b>	<b>Eurofins Sample:</b>	<b>12925042</b>
<b>Project ID</b>	ELIXINOL-20230511-0010	<b>Receipt Date</b>	11-Jul-2023
<b>PO Number</b>	PO-0038	<b>Receipt Condition</b>	Ambient temperature
<b>Lot Number</b>	EVG.ELIX.750150MFSOD9BO.0038	<b>Login Date</b>	11-May-2023
<b>Sample Serving Size</b>	1 mL	<b>Date Started</b>	11-Jul-2023
		<b>Sampled</b>	Sample results apply as received
		<b>Online Order</b>	901-2023-E028306

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

Analysis	LOQ	Limit	Result	Pass/Fail
<b>Residual Solvents - Class 1, 2a, 2b and 3</b>				
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
Tetralin	96 ppm	96 ppm	<96.0 ppm	Pass

\* This analysis or component is not ISO accredited.

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<b>Project ID</b>	ELIXINOL-20230511-0010	<b>Receipt Date</b>	11-Jul-2023
<b>PO Number</b>	PO-0038	<b>Receipt Condition</b>	Ambient temperature
<b>Lot Number</b>	EVG.ELIX.750150MFSOD9BO.0038	<b>Login Date</b>	11-May-2023
<b>Sample Serving Size</b>	1 mL	<b>Date Started</b>	11-Jul-2023
		<b>Sampled</b>	Sample results apply as received
		<b>Online Order</b>	901-2023-E028306

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

\* This analysis or component is not ISO accredited.

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Page 2 of 3

## Certificate of Analysis

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Westminster Colorado 80021 United States

Method References	Testing Location
<p><b>Enterobacteriaceae Plate Count (EBPC)</b></p> <p>Compendium of Methods for the Microbiological Examination of Foods: Enterobacteriaceae, Coliforms, and Escherichia coli as Quality and Safety Indicators, Chapter 8, 4th Edition, 2001.</p>	<p><b>EML New Berlin</b> 2345 S 170th St New Berlin, WI 53151 USA</p>
<p><b>Glyphosate and AMPA (GLY_AMP_A_S)</b></p> <p>Internally developed method.</p>	<p><b>Food Integrity Innovation-Madison</b> 6304 Ronald Reagan Ave Madison, WI 53704 USA</p>
<p><b>Residual Solvents - Class 1, 2a, 2b and 3 (USPR_S)</b></p> <p>United States Pharmacopeia, 38th Rev. - National Formulary 33rd Ed., Method &lt;467&gt;, USP Convention, Inc., Rockville, MD (2015). (Modified).</p>	<p><b>Food Integrity Innovation-Madison</b> 6304 Ronald Reagan Ave Madison, WI 53704 USA</p>

Testing Location(s)	Released on Behalf of Eurofins by
<p><b>Food Integrity Innovation-Madison</b></p> <p>Eurofins Food Chemistry Testing Madison, Inc. 6304 Ronald Reagan Ave Madison WI 53704 800-675-8375</p>	<p><b>Edward Ladwig - President Eurofins Food Chemistry Testing Madison</b></p> <div style="text-align: right;">  </div> <p style="text-align: right;">2918.01</p>

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