

Prepared for:

Sports Gel 1000mg - Lot 1296
Elixinol LLC


Batch ID or Lot Number: Lot 1296	Test: Potency	Reported: 3/11/22	Location: 10170 Church Ranch Way, Ste 400 Westminster, CO 80021
--	-------------------------	-----------------------------	---

Matrix: Unit	Test ID: T000197056	Started: 3/10/22	USDA License: N/A
-----------------	------------------------	---------------------	----------------------

Status: N/A	Method: TM14 (HPLC-DAD): Potency - Broad Spectrum Analysis, 0.01% THC	Received: 03/09/2022 @ 09:31 AM	Sampler ID: N/A
----------------	---	------------------------------------	--------------------

CANNABINOID PROFILE

Compound	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	2.151	6.836	ND	ND	# of Servings = 1 Sample Weight=96.38g
Delta 9-Tetrahydrocannabinol (Delta 9THC)	2.428	7.716	ND	ND	
Cannabidiolic acid (CBDA)	15.478	49.076	ND	ND	
Cannabidiol (CBD)	15.091	47.849	1111.819	11.54	
Delta 8-Tetrahydrocannabinol (Delta 8THC)	16.939	52.886	ND	ND	
Cannabinolic Acid (CBNA)	9.701	30.287	ND	ND	
Cannabinol (CBN)	4.437	13.853	ND	ND	
Cannabigerolic acid (CBGA)	14.218	44.391	ND	ND	
Cannabigerol (CBG)	3.401	10.619	34.035	0.35	
Tetrahydrocannabivarinic Acid (THCVA)	12.022	37.535	ND	ND	
Tetrahydrocannabivarin (THCV)	3.094	9.659	ND	ND	
Cannabidivarinic Acid (CBDVA)	6.457	20.472	ND	ND	
Cannabidivarin (CBDV)	3.569	11.317	ND	ND	
Cannabichromenic Acid (CBCA)	5.479	17.107	ND	ND	
Cannabichromene (CBC)	5.990	18.703	ND	ND	
Total Cannabinoids			1145.854	11.89	
Total Potential THC**			ND	ND	
Total Potential CBD**			1111.819	11.54	


 Jacob Miller
 11-Mar-22
 11:12 AM

PREPARED 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.


 Karen Winternheimer
 11-Mar-22
 11:18 AM

APPROVED BY / DATE



CDPHE Certified



Certificate #4329.02

Prepared for:

Sports Gel 1000mg - Lot 1296
Elixinol LLC

Batch ID or Lot Number: Lot 1296	Test: Residual Solvents	Reported: 3/11/22	Location: 10170 Church Ranch Way, Ste 400 Westminster, CO 80021
--	-----------------------------------	-----------------------------	---

Matrix: N/A	Test ID: t000197060	Started: 3/10/22	USDA License: N/A
----------------	------------------------	---------------------	----------------------

Status: N/A	Methods: TM04 (GC-MS): Residual Solvents	Received: 03/09/2022 @ 09:31 AM	Sampler ID: N/A
----------------	---	------------------------------------	--------------------

RESIDUAL SOLVENTS DETERMINATION

Solvent	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	98 - 1964	*ND	
Butanes (Isobutane, n-Butane)	192 - 3831	*ND	
Methanol	61 - 1212	*ND	
Pentane	98 - 1952	*ND	
Ethanol	94 - 1882	*ND	
Acetone	102 - 2039	*ND	
Isopropyl Alcohol	102 - 2032	*ND	
Hexane	6 - 123	*ND	
Ethyl Acetate	96 - 1916	*ND	
Benzene	0.2 - 3.9	*ND	
Heptanes	101 - 2014	*ND	
Toluene	18 - 359	*ND	
Xylenes (m,p,o-Xylenes)	131 - 2629	*ND	


 Karen Winternheimer
 11-Mar-22
 10:06 AM


 Sam Smith
 11-Mar-22
 10:11 AM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

* 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.



Certificate #4329.02


Prepared for:


Sports Gel 1000mg - Lot 1296
Elixinol LLC

Batch ID or Lot Number: Lot 1296	Test: Metals	Reported: 3/15/22	Location: 10170 Church Ranch Way, Ste 400 Westminster, CO 80021
Matrix: Unit Co	Test ID: T000197059	Started: 3/14/22	USDA License: N/A
Status: N/A	Method: TM19 (ICP-MS); Heavy Metals	Received: 03/09/2022 @ 09:31 AM	Sampler ID: N/A

HEAVY METALS DETERMINATION

Compound	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.046 - 4.60	ND	
Cadmium	0.044 - 4.37	ND	
Mercury	0.044 - 4.37	ND	
Lead	0.044 - 4.36	ND	


 Sam Smith
 15-Mar-22
 11:37 AM


 Ryan Weems
 15-Mar-22
 11:40 AM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

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.



Certificate #4329.02

Prepared for:

Sports Gel 1000mg - Lot 1296
Elixinol LLC


Batch ID or Lot Number: Lot 1296	Test: Microbial Contaminants	Reported: 3/14/22	Location: 10170 Church Ranch Way, Ste 400 Westminster, CO 80021
--	--	-----------------------------	---


Matrix: Finished Product	Test ID: T000197058	Started: 3/9/22	USDA License: N/A
-----------------------------	------------------------	--------------------	----------------------

Status: N/A	Methods: TM25 (qPCR) TM24, TM26, TM27(Culture Plating): Microbial	Received: 03/09/2022 @ 09:31 AM	Sampler ID: N/A
----------------	--	------------------------------------	--------------------

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	None Detected	
STEC	TM-25, PCR	10 ⁰ CFU/25 g	NA	NA	Absent	
Salmonella	TM-25, PCR	10 ⁰ CFU/25 g	NA	NA	Absent	


 Eden Thompson-Wright
 3/12/2022
 12:48:00 PM


 Brianne Maillot
 3/14/2022
 9:51:00 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: 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 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.



CDPHE Certified



Certificate #4329.02


Prepared for:


Sports Gel 1000mg - Lot 1296
Elixinol LLC

Batch ID or Lot Number: Lot 1296	Test: Pesticides	Reported: 3/15/22	Location: 10170 Church Ranch Way, Ste 400 Westminster, CO 80021
Matrix: Concentrate	Test ID: T000197057	Started: 3/14/22	USDA License: N/A
Status: N/A	Method: TM17(LC-QQQ LC MS/MS):	Received: 03/09/2022 @ 09:31 AM	Sampler ID: N/A

PESTICIDE DETERMINATION

Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)
Acephate	45	ND	Fenoxycarb	43	ND	Paclobutrazol	47	ND
Acetamiprid	37	ND	Fipronil	56	ND	Permethrin	314	ND
Avermectin	353	ND	Flonicamid	44	ND	Phosmet	39	ND
Azoxystrobin	44	ND	Fludioxonil	292	ND	Prophos	304	ND
Bifenazate	42	ND	Hexythiazox	43	ND	Propoxur	41	ND
Boscalid	55	ND	Imazalil	259	ND	Pyridaben	292	ND
Carbaryl	40	ND	Imidacloprid	46	ND	Spinosad A	28	ND
Carbofuran	40	ND	Kresoxim-methyl	150	ND	Spinosad D	43	ND
Chlorantraniliprole	49	ND	Malathion	294	ND	Spiromesifen	282	ND
Chlorpyrifos	500	ND	Metalaxyl	43	ND	Spirotetramat	308	ND
Clofentezine	273	ND	Methiocarb	41	ND	Spiroxamine 1	18	ND
Diazinon	284	ND	Methomyl	42	ND	Spiroxamine 2	25	ND
Dichlorvos	286	ND	MGK 264 1	176	ND	Tebuconazole	290	ND
Dimethoate	38	ND	MGK 264 2	121	ND	Thiacloprid	41	ND
E-Fenpyroximate	308	ND	Myclobutanil	46	ND	Thiamethoxam	41	ND
Etofenprox	40	ND	Naled	46	ND	Trifloxystrobin	42	ND
Etoxazole	297	ND	Oxamyl	1500	ND			


 Daniel Weidensaul
 3/15/2022
 3:56:00 PM


 Karen Winternheimer
 3/15/2022
 4:00:00 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.



Certificate #4329.02

Prepared for:

Sports Gel 1000mg - Lot 1296
Elixinol LLC

Batch ID or Lot Number: Lot 1296	Test: Mycotoxins	Reported: 3/16/22	Location: 10170 Church Ranch Way, Ste 400 Westminster, CO 80021
Matrix: Concentrate	Test ID: T000197061	Started: 3/15/22	USDA License: N/A
Status: N/A	Method: TM18 (UHPLC-QQQ LCMS/MS): Mycotoxins	Received: 03/09/2022 @ 09:31 AM	Sampler ID: N/A

MYCOTOXIN DETERMINATION

Compound	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	2.2 - 129.3	ND	N/A
Aflatoxin B1	1 - 32.8	ND	
Aflatoxin B2	1 - 32.8	ND	
Aflatoxin G1	1.1 - 32.3	ND	
Aflatoxin G2	1.1 - 31.9	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	



 Hannah Wright
 16-Mar-22
 2:42 PM

PREPARED BY / DATE



 Ryan Weems
 16-Mar-22
 2:44 PM

APPROVED BY / DATE

Definitions

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.



Certificate #4329.02

Certificate of Analysis

Elixinol, LLC

10170 Church Ranch
Westminster Colorado 80021 United States

Sample Name:	Sports Gel 1000mg - Lot 1296	Eurofins Sample:	11526103
Project ID	ELIXINOL-20220308-0004	Receipt Date	11-Mar-2022
PO Number	cvd	Receipt Condition	Ambient temperature
Lot Number	1296	Login Date	08-Mar-2022
Sample Serving Size	1 mL	Date Started	15-Mar-2022
		Sampled	Sample results apply as received
		Number Compositated	2
		Online Order	13484-16EA0AA6

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

Method References	Testing Location
-------------------	------------------

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

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
---------------------	-----------------------------------

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.

* This analysis or component is not ISO accredited.

Printed: 29-Mar-2022 11:31 pm

Page 1 of 1