

Prepared for:

Active Omega Turmeric Caps - 21082003-01
Elixinol LLC

Batch ID or Lot Number: 21082003-01	Test: Potency	Reported: 10/25/21	Location: 10170 Church Ranch Way, Ste 400 Westminster, CO 80021
---	-------------------------	------------------------------	---

Matrix: Unit	Test ID: T000170704	Started: 10/22/21	USDA License: N/A
-----------------	------------------------	----------------------	----------------------

Status: N/A	Method: TM14 (HPLC-DAD): Potency - Standard Cannabinoid Analysis (Colorado Panel)	Received: 10/19/2021 @ 11:14 AM	Sampler ID: N/A
----------------	--	------------------------------------	--------------------

CANNABINOID PROFILE

Compound	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.055	0.185	ND	ND	# of Servings = 1 Sample Weight=0.733g
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.062	0.208	0.084	0.11	
Cannabidiolic acid (CBDA)	0.079	0.225	ND	ND	
Cannabidiol (CBD)	0.077	0.219	19.172	26.16	
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.069	0.229	ND	ND	
Cannabinolic Acid (CBNA)	0.039	0.131	ND	ND	
Cannabinol (CBN)	0.018	0.060	0.103	0.14	
Cannabigerolic acid (CBGA)	0.058	0.193	ND	ND	
Cannabigerol (CBG)	0.014	0.046	0.088	0.12	
Tetrahydrocannabivarinic Acid (THCVA)	0.049	0.163	ND	ND	
Tetrahydrocannabivarin (THCV)	0.013	0.042	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.033	0.094	ND	ND	
Cannabidivarin (CBDV)	0.018	0.052	0.060	0.08	
Cannabichromenic Acid (CBCA)	0.022	0.074	ND	ND	
Cannabichromene (CBC)	0.024	0.081	0.272	0.37	
Total Cannabinoids			19.779	26.99	
Total Potential THC**			0.084	0.11	
Total Potential CBD**			19.172	26.16	



Jacob Miller
25-Oct-2021
06:52 PM



Ryan Weems
25-Oct-21
6:53 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.



CDPHE Certified



Certificate #4329.02

Prepared for:

Active Omega Turmeric Caps - 21082003-01
Elixinol LLC

Batch ID or Lot Number: 21082003-01	Test: Pesticides	Reported: 10/27/21	Location: 10170 Church Ranch Way, Ste 400 Westminster, CO 80021
Matrix: Concentrate	Test ID: T000170705	Started: 10/26/21	USDA License: N/A
Status: N/A	Method: TM17(LC-QQQ LC MS/MS):	Received: 10/19/2021 @ 11:14 AM	Sampler ID: N/A

PESTICIDE DETERMINATION

Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)
Acephate	35	ND	Fenoxycarb	49	ND	Paclobutrazol	56	ND
Acetamiprid	49	ND	Fipronil	51	ND	Permethrin	265	ND
Avermectin	279	ND	Flonicamid	47	ND	Phosmet	50	ND
Azoxystrobin	49	ND	Fludioxonil	296	ND	Prophos	275	ND
Bifenazate	48	ND	Hexythiazox	59	ND	Propoxur	45	ND
Boscalid	62	ND	Imazalil	275	ND	Pyridaben	256	ND
Carbaryl	48	ND	Imidacloprid	48	ND	Spinosad A	37	ND
Carbofuran	49	ND	Kresoxim-methyl	150	ND	Spinosad D	50	ND
Chlorantraniliprole	68	ND	Malathion	261	ND	Spiromesifen	349	ND
Chlorpyrifos	500	ND	Metalaxyl	51	ND	Spirotetramat	379	ND
Clofentezine	276	ND	Methiocarb	59	ND	Spiroxamine 1	23	ND
Diazinon	288	ND	Methomyl	50	ND	Spiroxamine 2	30	ND
Dichlorvos	275	ND	MGK 264 1	179	ND	Tebuconazole	275	ND
Dimethoate	51	ND	MGK 264 2	116	ND	Thiacloprid	46	ND
E-Fenpyroximate	310	ND	Myclobutanil	54	ND	Thiamethoxam	55	ND
Etofenprox	43	ND	Naled	48	ND	Trifloxystrobin	46	ND
Etoxazole	276	ND	Oxamyl	1500	ND			


 Sam Smith
 10/27/2021
 3:13:00 PM


 Daniel Weidensaul
 10/27/2021
 3:23:00 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:

Active Omega Turmeric Caps - 21082003-01
Elixinol LLC

Batch ID or Lot Number: 21082003-01	Test: Metals	Reported: 10/22/21	Location: 10170 Church Ranch Way, Ste 400 Westminster, CO 80021
Matrix: Unit Co	Test ID: T000170707	Started: 10/21/21	USDA License: N/A
Status: N/A	Method: TM19 (ICP-MS): Heavy Metals (Colorado Panel)	Received: 10/19/2021 @ 11:14 AM	Sampler ID: N/A

HEAVY METALS DETERMINATION

Compound	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.043 - 4.27	ND	
Cadmium	0.043 - 4.30	ND	
Mercury	0.043 - 4.26	ND	
Lead	0.046 - 4.62	ND	


 Sam Smith
 22-Oct-21
 11:06 AM


 Ryan Weems
 22-Oct-21
 11:09 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.



CDPHE Certified



Certificate #4329.02

Prepared for:

Active Omega Turmeric Caps - 21082003-01

Elixinol LLC

Batch ID or Lot Number: 21082003-01	Test: Residual Solvents	Reported: 10/22/21	Location: 10170 Church Ranch Way, Ste 400 Westminster, CO 80021
---	-----------------------------------	------------------------------	---

Matrix: N/A	Test ID: T000170708	Started: 10/21/21	USDA License: N/A
----------------	------------------------	----------------------	----------------------

Status: N/A	Methods: TM04 (GC-MS): Residual Solvents (Colorado Panel)	Received: 10/19/2021 @ 11:14 AM	Sampler ID: N/A
----------------	---	------------------------------------	--------------------

RESIDUAL SOLVENTS DETERMINATION

Solvent	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	61 - 1222	*ND	
Butanes (Isobutane, n-Butane)	123 - 2451	*ND	
Methanol	55 - 1104	*ND	
Pentane	72 - 1442	*ND	
Ethanol	86 - 1717	182	
Acetone	86 - 1725	*ND	
Isopropyl Alcohol	99 - 1974	144	
Hexane	5 - 104	8	
Ethyl Acetate	88 - 1765	942	
Benzene	0 - 3	*ND	
Heptanes	81 - 1627	*ND	
Toluene	17 - 333	*ND	
Xylenes (m,p,o-Xylenes)	127 - 2532	*ND	

 Karen Winternheimer
22-Oct-21
10:31 AM

 Ryan Weems
22-Oct-21
10:34 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.



CDPHE Certified



Certificate #4329.02

Prepared for:

Active Omega Turmeric Caps - 21082003-01
Elixinol LLC

Batch ID or Lot Number: 21082003-01	Test: Microbial Contaminants	Reported: 10/23/21	Location: 10170 Church Ranch Way, Ste 400 Westminster, CO 80021
---	--	------------------------------	---

Matrix: Finished Product	Test ID: T000170706	Started: 10/20/21	USDA License: N/A
-----------------------------	------------------------	----------------------	----------------------

Status: N/A	Methods: TM25 (qPCR) TM24, TM26, TM27(Culture Plating): Microbial (Colorado Panel)	Received: 10/19/2021 @ 11:14 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	
E. coli (STEC)	TM-25, PCR	1 CFU/25 g	NA	NA	Absent	
Salmonella	TM-25, PCR	1 CFU/25 g	NA	NA	Absent	



 Jackson Osaghae-Nosa
 10/23/2021
 2:45:00 PM



 Courtney Richards
 10/23/2021
 11:44:00 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

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:

Active Omega Turmeric Caps - 21082003-01
Elixinol LLC

Batch ID or Lot Number: 21082003-01	Test: Mycotoxins	Reported: 10/25/21	Location: 10170 Church Ranch Way, Ste 400 Westminster, CO 80021
Matrix: Concentrate	Test ID: T000170709	Started: 10/22/21	USDA License: N/A
Status: N/A	Method: TM18 (UHPLC-QQQ LCMS/MS): Mycotoxins (Colorado Panel)	Received: 10/19/2021 @ 11:14 AM	Sampler ID: N/A

MYCOTOXIN DETERMINATION

Compound	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	3.7 - 130.5	ND	N/A
Aflatoxin B1	1.3 - 33.3	ND	
Aflatoxin B2	0.9 - 32.8	ND	
Aflatoxin G1	1.2 - 33	ND	
Aflatoxin G2	1.1 - 32	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	


 Ryan Weems
 25-Oct-21
 3:42 PM

PREPARED BY / DATE


 Sam Smith
 25-Oct-21
 3:45 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.



CDPHE Certified


 ACCREDITED
 Certificate #4329.02