SC Labs®
Formerly Botanacor Labs

CERTIFICATE OF ANALYSIS

Prepared for:
Elixinol LLC
10170 Church Ranch Way, Ste 400
Westminster, CO USA 80021

FGR-320 - THC Free Tinc - ELIX.500MBSOSP.57

Batch ID or Lot Number:	Test, Test ID and Methods:	Matrix:	Page 1 of 5
ELIX.500MBSOSP.57	Various	Concentrate	
Reported:	**Started:**	**Received:**	
16Feb2024	15Feb2024	14Feb2024	

Residual Solvents - Colorado Compliance

Test ID: T000269695
Methods: TM04 (GC-MS): Residual Solvents

	Dynamic Range (ppm)	**Result** (ppm)	**Notes**
Propane	84 - 1678	ND	
Butanes (Isobutane, n-Butane)	183 - 3666	ND	
Methanol	64 - 1270	ND	
Pentane	77 - 1540	ND	
Ethanol	87 - 1741	ND	
Acetone	93 - 1867	ND	
Isopropyl Alcohol	106 - 2130	ND	
Hexane	6 - 129	ND	
Ethyl Acetate	105 - 2097	ND	
Benzene	0.2 - 4.1	ND	
Heptanes	91 - 1829	ND	
Toluene	17 - 333	ND	
Xylenes (m,p,o-Xylenes)	123 - 2465	ND	

Final Approval

Karen Winternheimer
16Feb2024
09:18:00 AM MST
PREPARED BY / DATE

Sam Smith
16Feb2024
09:20:00 AM MST
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16Feb2024	15Feb2024	14Feb2024	

Cannabinoids - Colorado Compliance

Test ID: T000269690
Methods: TM14 (HPLC-DAD): Potency – Standard

Cannabinoid Analysis	**LOD** (mg/mL)	**LOQ** (mg/mL)	**Result** (mg/mL)	**Result** (mg/g)	**Notes**
Cannabichromene (CBC)	0.060	0.197	0.901	0.96	Density = 0.938805g/mL
Cannabichromenic Acid (CBCA)	0.055	0.180	ND	ND	
Cannabidiol (CBD)	0.186	0.512	18.985	20.22	
Cannabidiolic Acid (CBDA)	0.190	0.525	ND	ND	
Cannabidivarin (CBDV)	0.044	0.121	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.079	0.219	ND	ND	
Cannabigerol (CBG)	0.034	0.112	0.260	0.28	
Cannabigerolic Acid (CBGA)	0.144	0.468	ND	ND	
Cannabinol (CBN)	0.045	0.146	0.338	0.36	
Cannabinolic Acid (CBNA)	0.098	0.320	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.171	0.558	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.155	0.507	ND	ND	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.138	0.449	ND	ND	
Tetrahydrocannabivarin (THCV)	0.031	0.102	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.121	0.396	ND	ND	
Total Cannabinoids			**20.484**	**21.82**	
Total Potential THC			ND	ND	
Total Potential CBD			18.985	20.22	

Final Approval

Karen Winternheimer
16Feb2024
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Sam Smith
16Feb2024
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APPROVED BY / DATE

Heavy Metals - Colorado Compliance

Test ID: T000269694
Methods: TM19 (ICP-MS): Heavy

Metals	**Dynamic Range** (ppm)	**Result** (ppm)	**Notes**
Arsenic	0.04 - 4.39	ND	
Cadmium	0.04 - 4.38	ND	
Mercury	0.05 - 4.76	ND	
Lead	0.05 - 4.77	ND	

Final Approval

Sam Smith
16Feb2024
02:58:00 PM MST
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Sam Smith
16Feb2024
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Mycotoxins - Colorado Compliance

Test ID: T000269697
Methods: TM18 (UHPLC-QQQ LCMS/MS): Mycotoxins

	Dynamic Range (ppb)	**Result** (ppb)	**Notes**
Ochratoxin A	2.36 - 133.06	ND	N/A
Aflatoxin B1	0.95 - 34.21	ND	
Aflatoxin B2	0.98 - 34.01	ND	
Aflatoxin G1	0.98 - 34.24	ND	
Aflatoxin G2	0.98 - 34.47	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

Final Approval

Karen Winternheimer
18Feb2024
10:21:00 AM MST
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Sam Smith
18Feb2024
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Microbial Contaminants - Colorado Compliance

Test ID: T000269693
Methods: TM25 (qPCR) TM24, TM26, TM27 (Culture Plating): Microbial (Colorado Panel)

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

Final Approval

Brett Hudson
17Feb2024
02:09:00 PM MST
PREPARED BY / DATE

Eden Thompson-Wright
19Feb2024
09:31:00 AM MST
APPROVED BY / DATE

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Pesticides

Test ID: T000269692
Methods: TM17

(LC-QQ LC MS/MS)	**Dynamic Range** (ppb)	**Result** (ppb)		**Dynamic Range** (ppb)	**Result** (ppb)
Abamectin	298 - 2748	ND	Malathion	288 - 2690	ND
Acephate	40 - 2730	ND	Metalaxyl	41 - 2695	ND
Acetamiprid	41 - 2685	ND	Methiocarb	42 - 2685	ND
Azoxystrobin	44 - 2703	ND	Methomyl	41 - 2765	ND
Bifenazate	43 - 2708	ND	MGK 264 1	159 - 1637	ND
Boscalid	43 - 2663	ND	MGK 264 2	111 - 1064	ND
Carbaryl	42 - 2688	ND	Myclobutanil	36 - 2665	ND
Carbofuran	42 - 2688	ND	Naled	42 - 2657	ND
Chlorantraniliprole	45 - 2679	ND	Oxamyl	41 - 2737	ND
Chlorpyrifos	49 - 2741	ND	Paclobutrazol	44 - 2728	ND
Clofentezine	272 - 2696	ND	Permethrin	290 - 2776	ND
Diazinon	290 - 2697	ND	Phosmet	40 - 2577	ND
Dichlorvos	266 - 2739	ND	Prophos	282 - 2675	ND
Dimethoate	42 - 2678	ND	Propoxur	42 - 2694	ND
E-Fenpyroximate	278 - 2800	ND	Pyridaben	297 - 2691	ND
Etofenprox	43 - 2717	ND	Spinosad A	34 - 2075	ND
Etoxazole	293 - 2631	ND	Spinosad D	67 - 658	ND
Fenoxycarb	42 - 2698	ND	Spiromesifen	268 - 2692	ND
Fipronil	37 - 2786	ND	Spirotetramat	285 - 2786	ND
Flonicamid	42 - 2769	ND	Spiroxamine 1	16 - 1030	ND
Fludioxonil	267 - 2685	ND	Spiroxamine 2	24 - 1613	ND
Hexythiazox	42 - 2738	ND	Tebuconazole	290 - 2686	ND
Imazalil	284 - 2712	ND	Thiacloprid	41 - 2696	ND
Imidacloprid	41 - 2770	ND	Thiamethoxam	42 - 2750	ND
Kresoxim-methyl	45 - 2738	ND	Trifloxystrobin	43 - 2702	ND

Final Approval

Karen Winternheimer
21Feb2024
11:47:00 AM MST
PREPARED BY / DATE

Sam Smith
21Feb2024
11:48:00 AM MST
APPROVED BY / DATE

Cannabinoids

Test ID: T000269691
Methods: TM20 (HPLC-DAD)

	Dynamic Range (%)	**Result** (%)	**Result** (mg/g)	**Notes**
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.001 - 0.722	ND	0.00	N/A
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.003 - 1.446	ND	0.00	N/A
Total Potential THC	-	**ND**	**0.00**	

Final Approval

Karen Winternheimer
26Feb2024
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Sam Smith
26Feb2024
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https://results.botanacor.com/api/v1/coas/uuid/ff50a33b-a407-420b-ae35-7a28cddb244d

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: 10^2 = 100 CFU, 10^3 = 1,000 CFU, 10^4 = 10,000 CFU, 10^5 = 100,000 CFU.

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