SC Labs®
Formerly Botanacor Labs

CERTIFICATE OF ANALYSIS

Prepared for:
Aspen Green
3700 Quebec St
Denver, CO USA 80207

LB-O-60515

Batch ID or Lot Number:	Test, Test ID and Methods:	Matrix:	Page 1 of 6
AG-2401-PT-50 (all flavors)	Various	Finished Product	
Reported:	Started:	Received:	
16Jan2024	12Jan2024	12Jan2024	

Microbial Contaminants - Colorado Compliance

Test ID: T000267602
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
16Jan2024
04:28:00 PM MST
PREPARED BY / DATE

Brianne Maillot
16Jan2024
04:54:00 PM MST
APPROVED BY / DATE

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Pesticides

Test ID: T000267601
Methods: TM17

(LC-QQ LC MS/MS)	**Dynamic Range** (ppb)	**Result** (ppb)		**Dynamic Range** (ppb)	**Result** (ppb)
Abamectin	311 - 2831	ND	Malathion	276 - 2695	ND
Acephate	40 - 2758	ND	Metalaxyl	44 - 2712	ND
Acetamiprid	43 - 2718	ND	Methiocarb	38 - 2787	ND
Azoxystrobin	43 - 2716	ND	Methomyl	43 - 2772	ND
Bifenazate	44 - 2695	ND	MGK 264 1	158 - 1629	ND
Boscalid	42 - 2734	ND	MGK 264 2	113 - 1090	ND
Carbaryl	41 - 2697	ND	Myclobutanil	70 - 2723	ND
Carbofuran	44 - 2706	ND	Naled	46 - 2668	ND
Chlorantraniliprole	42 - 2772	ND	Oxamyl	42 - 2768	ND
Chlorpyrifos	42 - 2771	ND	Paclobutrazol	46 - 2692	ND
Clofentezine	282 - 2719	ND	Permethrin	289 - 2802	ND
Diazinon	271 - 2723	ND	Phosmet	40 - 2590	ND
Dichlorvos	271 - 2767	ND	Prophos	275 - 2751	ND
Dimethoate	43 - 2709	ND	Propoxur	43 - 2702	ND
E-Fenpyroximate	264 - 2851	ND	Pyridaben	290 - 2755	ND
Etofenprox	42 - 2778	ND	Spinosad A	34 - 2084	ND
Etoxazole	281 - 2696	ND	Spinosad D	66 - 682	ND
Fenoxycarb	43 - 2739	ND	Spiromesifen	263 - 2781	ND
Fipronil	54 - 2790	ND	Spirotetramat	282 - 2798	ND
Flonicamid	50 - 2792	ND	Spiroxamine 1	15 - 1055	ND
Fludioxonil	283 - 2738	ND	Spiroxamine 2	23 - 1629	ND
Hexythiazox	40 - 2806	ND	Tebuconazole	274 - 2726	ND
Imazalil	264 - 2746	ND	Thiacloprid	45 - 2728	ND
Imidacloprid	38 - 2799	ND	Thiamethoxam	42 - 2767	ND
Kresoxim-methyl	43 - 2739	ND	Trifloxystrobin	44 - 2718	ND

Final Approval

Karen Winternheimer
17Jan2024
08:38:00 AM MST
PREPARED BY / DATE

Sam Smith
17Jan2024
08:39:00 AM MST
APPROVED BY / DATE

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Residual Solvents - Colorado Compliance

Test ID: T000267604
Methods: TM04 (GC-MS): Residual Solvents

	Dynamic Range (ppm)	**Result** (ppm)	**Notes**
Propane	98 - 1961	ND	
Butanes (Isobutane, n-Butane)	184 - 3671	ND	
Methanol	61 - 1210	ND	
Pentane	85 - 1704	ND	
Ethanol	86 - 1711	ND	
Acetone	98 - 1955	ND	
Isopropyl Alcohol	104 - 2085	ND	
Hexane	6 - 122	ND	
Ethyl Acetate	98 - 1963	ND	
Benzene	0.2 - 4.1	ND	
Heptanes	98 - 1953	ND	
Toluene	18 - 361	ND	
Xylenes (m,p,o-Xylenes)	136 - 2715	ND	

Final Approval

Karen Winternheimer
17Jan2024
08:59:00 AM MST
PREPARED BY / DATE

Sam Smith
17Jan2024
09:01:00 AM MST
APPROVED BY / DATE

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Cannabinoids - Colorado Compliance

Test ID: T000267599
Methods: TM14 (HPLC-DAD): Potency – Standard

Cannabinoid Analysis	**LOD** (mg/mL)	**LOQ** (mg/mL)	**Result** (mg/mL)	**Result** (mg/g)	**Notes**
Cannabichromene (CBC)	0.073	0.204	1.924	2.04	Density = 0.945g/mL
Cannabichromenic Acid (CBCA)	0.067	0.186	ND	ND	
Cannabidiol (CBD)	0.194	0.528	56.164	59.43	
Cannabidiolic Acid (CBDA)	0.199	0.542	0.963	1.02	
Cannabidivarin (CBDV)	0.046	0.125	0.278	0.29	
Cannabidivarinic Acid (CBDVA)	0.083	0.226	ND	ND	
Cannabigerol (CBG)	0.041	0.116	0.998	1.06	
Cannabigerolic Acid (CBGA)	0.173	0.483	ND	ND	
Cannabinol (CBN)	0.054	0.151	<LOQ	<LOQ	
Cannabinolic Acid (CBNA)	0.118	0.330	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.206	0.576	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.187	0.523	1.716	1.82	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.166	0.463	ND	ND	
Tetrahydrocannabivarin (THCV)	0.038	0.105	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.146	0.409	ND	ND	
Total Cannabinoids			**62.043**	**65.66**	
Total Potential THC			1.716	1.82	
Total Potential CBD			57.009	60.32	

Final Approval

Sam Smith
17Jan2024
01:38:00 PM MST
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Karen Winternheimer
17Jan2024
01:41:00 PM MST
APPROVED BY / DATE

Heavy Metals - Colorado Compliance

Test ID: T000267603
Methods: TM19 (ICP-MS): Heavy

Metals	**Dynamic Range** (ppm)	**Result** (ppm)	**Notes**
Arsenic	0.05 - 4.51	ND	
Cadmium	0.05 - 4.59	ND	
Mercury	0.05 - 4.59	ND	
Lead	0.05 - 4.65	ND	

Final Approval

Sam Smith
18Jan2024
02:49:00 PM MST
PREPARED BY / DATE

Karen Winternheimer
18Jan2024
03:01:00 PM MST
APPROVED BY / DATE

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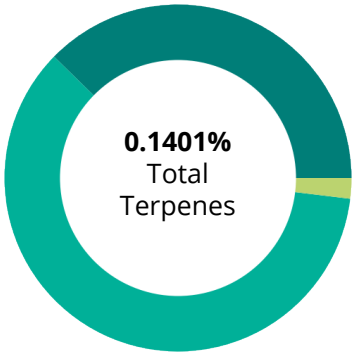
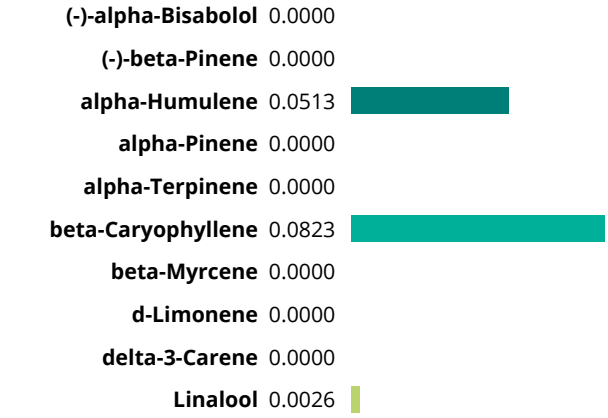
Terpenes

Test ID: T000267600

Methods: TM22 (GC-MS)	%(w/w)	(mg/g)
(-)-alpha-Bisabolol	0.0000	0.0000
(-)-beta-Pinene	0.0000	0.0000
(-)-Caryophyllene Oxide	0.0000	0.0000
(-)-Isopulegol	0.0000	0.0000
alpha-Humulene	0.0513	0.513
alpha-Pinene	0.0000	0.0000
alpha-Terpinene	0.0000	0.0000
beta-Caryophyllene	0.0823	0.823
beta-Myrcene	0.0000	0.0000
beta-Ocimene	0.0000	0.0000
Camphene	0.0000	0.0000
cis-Nerolidol	0.0000	0.0000
d-Limonene	0.0000	0.0000
delta-3-Carene	0.0000	0.0000
Eucalyptol	0.0000	0.0000
gamma-Terpinene	0.0000	0.0000
Geraniol	0.0000	0.0000
Linalool	0.0026	0.026
Ocimene	0.0000	0.0000
p-Cymene	0.0000	0.0000
Terpinolene	0.0039	0.039
trans-Nerolidol	0.0000	0.0000
	0.1401	**1.4010**



PREDOMINANT TERPENES



Notes

Final Approval

Karen Winternheimer
18Jan2024
09:06:00 AM MST
PREPARED BY / DATE

Sam Smith
18Jan2024
09:09:00 AM MST
APPROVED BY / DATE

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AG-2401-PT-50 (all flavors)	Various	Finished Product	
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Mycotoxins - Colorado Compliance

Test ID: T000267605
Methods: TM18 (UHPLC-QQQ LCMS/MS): Mycotoxins

	Dynamic Range (ppb)	**Result** (ppb)	**Notes**
Ochratoxin A	1.94 - 128.49	ND	N/A
Aflatoxin B1	0.97 - 33.00	ND	
Aflatoxin B2	0.94 - 32.62	ND	
Aflatoxin G1	1.03 - 32.72	ND	
Aflatoxin G2	1.06 - 32.97	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

Final Approval

Karen Winternheimer
19Jan2024
12:32:00 PM MST
PREPARED BY / DATE

Sam Smith
19Jan2024
12:33:00 PM MST
APPROVED BY / DATE

https://results.botanacor.com/api/v1/coas/uuid/e891194d-baca-4330-9b94-3d6bd2c3c920

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.

Cert #4329.02
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