

Prepared for:
CALIPER FOODS

6360 E 58TH AVE
COMMERCE CITY, CO USA 80022

FS-RS-BR-D9

Batch ID or Lot Number: 240991BR	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 1 of 5
Reported: 12Apr2024	Started: 11Apr2024	Received: 11Apr2024	


Cannabinoids - Colorado Compliance

Test ID: T000276824

Methods: TM14 (HPLC-DAD): Potency – Standard

Cannabinoid Analysis	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.004	0.010	ND	ND	
Cannabichromenic Acid (CBCA)	0.003	0.009	ND	ND	
Cannabidiol (CBD)	0.009	0.025	ND	ND	
Cannabidiolic Acid (CBDA)	0.009	0.026	ND	ND	
Cannabidivarin (CBDV)	0.002	0.006	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.004	0.011	ND	ND	
Cannabigerol (CBG)	0.002	0.006	ND	ND	
Cannabigerolic Acid (CBGA)	0.009	0.023	ND	ND	
Cannabinol (CBN)	0.003	0.007	ND	ND	
Cannabinolic Acid (CBNA)	0.006	0.016	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.010	0.028	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.009	0.025	0.273	2.73	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.008	0.022	ND	ND	
Tetrahydrocannabivarin (THCV)	0.002	0.005	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.007	0.020	ND	ND	
Total Cannabinoids			0.273	2.73	
Total Potential THC			0.273	2.73	
Total Potential CBD			ND	ND	

Final Approval


 Karen Winternheimer
 12Apr2024
 10:18:00 AM MDT
 PREPARED BY / DATE


 Phillip Travisano
 12Apr2024
 10:19:00 AM MDT
 APPROVED BY / DATE

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Microbial Contaminants - Colorado Compliance

Test ID: T000276826
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
<i>Salmonella</i>	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
15Apr2024
04:28:00 PM MDT

PREPARED BY / DATE


Brianne Maillot
15Apr2024
05:54:00 PM MDT

APPROVED BY / DATE

Heavy Metals - Colorado Compliance


Test ID: T000276827
Methods: TM19 (ICP-MS): Heavy
Metals

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.05 - 4.94	ND	
Cadmium	0.05 - 4.64	ND	
Mercury	0.05 - 4.69	ND	
Lead	0.05 - 4.83	ND	

Final Approval


Phillip Travisano
16Apr2024
01:36:00 PM MDT

PREPARED BY / DATE


Karen Winternheimer
16Apr2024
03:53:00 PM MDT

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Pesticides

Test ID: T000276825

Methods: TM17

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)		Dynamic Range (ppb)	Result (ppb)	
Abamectin	331 - 2717	ND		Malathion	280 - 2768	ND
Acephate	43 - 2748	ND		Metalaxyl	40 - 2783	ND
Acetamiprid	38 - 2715	ND		Methiocarb	40 - 2784	ND
Azoxystrobin	46 - 2786	ND		Methomyl	40 - 2746	ND
Bifenazate	40 - 2781	ND		MGK 264 1	164 - 1619	ND
Boscalid	46 - 2784	ND		MGK 264 2	106 - 1080	ND
Carbaryl	38 - 2690	ND		Myclobutanil	35 - 2730	ND
Carbofuran	41 - 2691	ND		Naled	48 - 2653	ND
Chlorantraniliprole	47 - 2782	ND		Oxamyl	40 - 2770	ND
Chlorpyrifos	53 - 2669	ND		Paclobutrazol	43 - 2666	ND
Clofentezine	288 - 2722	ND		Permethrin	292 - 2753	ND
Diazinon	290 - 2777	ND		Phosmet	41 - 2632	ND
Dichlorvos	270 - 2736	ND		Prophos	299 - 2777	ND
Dimethoate	39 - 2708	ND		Propoxur	42 - 2704	ND
E-Fenpyroximate	298 - 2760	ND		Pyridaben	314 - 2775	ND
Etofenprox	42 - 2715	ND		Spinosad A	32 - 2090	ND
Etoxazole	302 - 2657	ND		Spinosad D	68 - 670	ND
Fenoxycarb	39 - 2773	ND		Spiromesifen	287 - 2722	ND
Fipronil	40 - 2735	ND		Spirotetramat	295 - 2839	ND
Flonicamid	45 - 2735	ND		Spiroxamine 1	14 - 1067	ND
Fludioxonil	278 - 2757	ND		Spiroxamine 2	23 - 1614	ND
Hexythiazox	38 - 2756	ND		Tebuconazole	300 - 2775	ND
Imazalil	266 - 2815	ND		Thiacloprid	41 - 2721	ND
Imidacloprid	37 - 2768	ND		Thiamethoxam	40 - 2764	ND
Kresoxim-methyl	42 - 2791	ND		Trifloxystrobin	42 - 2704	ND

Final Approval


Karen Winternheimer
17Apr2024
10:29:00 AM MDT
PREPARED BY / DATE


Phillip Travisano
17Apr2024
10:31:00 AM MDT
APPROVED BY / DATE

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Residual Solvents - Colorado Compliance

Test ID: T000276828

Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	90 - 1793	ND	
Butanes (Isobutane, n-Butane)	164 - 3270	ND	
Methanol	63 - 1262	ND	
Pentane	94 - 1889	ND	
Ethanol	95 - 1897	ND	
Acetone	104 - 2081	ND	
Isopropyl Alcohol	101 - 2024	ND	
Hexane	7 - 132	ND	
Ethyl Acetate	106 - 2114	ND	
Benzene	0.2 - 4.3	ND	
Heptanes	102 - 2030	ND	
Toluene	18 - 355	ND	
Xylenes (m,p,o-Xylenes)	119 - 2384	ND	

Final Approval



Karen Winternheimer
16Apr2024
08:46:00 AM MDT

PREPARED BY / DATE



Phillip Travisano
16Apr2024
08:48:00 AM MDT

APPROVED BY / DATE

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Mycotoxins - Colorado Compliance

Test ID: T000276829
Methods: TM18 (UHPLC-QQQ)

LCMS/MS): Mycotoxins	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	2.27 - 133.04	ND	N/A
Aflatoxin B1	1.07 - 33.07	ND	
Aflatoxin B2	1.04 - 33.36	ND	
Aflatoxin G1	1.04 - 33.53	ND	
Aflatoxin G2	1.00 - 33.72	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

Final Approval


Karen Winternheimer
19Apr2024
09:21:00 AM MDT
PREPARED BY / DATE


Phillip Travisano
19Apr2024
09:22:00 AM MDT
APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/358f77c2-fa0b-4eb9-b9bf-baecff837c96>

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: 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 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 A2LA Cert #: 4329.02 Chemical; 4329.03 Biological. Some tests listed on this COA may not be within our scope of A2LA accreditation. Please visit [A2LA for more details](#).



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