

Prepared for:
Kultiv LLC

16192 Coastal Highway
Lewes, DE USA 19958

Brazil 1200mg CBD 1200mg CBG MCT Tincture

Batch ID or Lot Number: 240308E	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 1 of 5
Reported: 13Mar2024	Started: 12Mar2024	Received: 11Mar2024	


Pesticides

Test ID: T000273806

Methods: TM17

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)		Dynamic Range (ppb)	Result (ppb)	
Abamectin	392 - 2731	ND		Malathion	283 - 2748	ND
Acephate	42 - 2664	ND		Metalaxyl	46 - 2742	ND
Acetamiprid	44 - 2648	ND		Methiocarb	44 - 2738	ND
Azoxystrobin	47 - 2718	ND		Methomyl	45 - 2685	ND
Bifenazate	47 - 2741	ND		MGK 264 1	164 - 1602	ND
Boscalid	39 - 2707	ND		MGK 264 2	127 - 1068	ND
Carbaryl	42 - 2679	ND		Myclobutanil	44 - 2663	ND
Carbofuran	44 - 2687	ND		Naled	49 - 2691	ND
Chlorantraniliprole	38 - 2697	ND		Oxamyl	43 - 2699	ND
Chlorpyrifos	54 - 2722	ND		Paclobutrazol	44 - 2693	ND
Clofentezine	280 - 2713	ND		Permethrin	159 - 2746	ND
Diazinon	286 - 2720	ND		Phosmet	39 - 2612	ND
Dichlorvos	266 - 2715	ND		Prophos	306 - 2711	ND
Dimethoate	44 - 2642	ND		Propoxur	47 - 2704	ND
E-Fenpyroximate	229 - 2831	ND		Pyridaben	295 - 2707	ND
Etofenprox	49 - 2693	ND		Spinosad A	34 - 2071	ND
Etoxazole	301 - 2626	ND		Spinosad D	67 - 652	ND
Fenoxycarb	43 - 2722	ND		Spiromesifen	290 - 2706	ND
Fipronil	61 - 2766	ND		Spirotetramat	295 - 2796	ND
Flonicamid	56 - 2698	ND		Spiroxamine 1	15 - 1051	ND
Fludioxonil	284 - 2706	ND		Spiroxamine 2	24 - 1592	ND
Hexythiazox	42 - 2735	ND		Tebuconazole	297 - 2745	ND
Imazalil	281 - 2771	ND		Thiacloprid	45 - 2648	ND
Imidacloprid	45 - 2681	ND		Thiamethoxam	43 - 2686	ND
Kresoxim-methyl	45 - 2785	ND		Trifloxystrobin	46 - 2706	ND

Final Approval


Karen Winternheimer
13Mar2024
09:45:00 AM MDT
PREPARED BY / DATE


Phillip Travisano
13Mar2024
09:47:00 AM MDT
APPROVED BY / DATE

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Kultiv LLC

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Lewes, DE USA 19958

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Residual Solvents - Colorado Compliance

Test ID: T000273809

Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	105 - 2094	ND	
Butanes (Isobutane, n-Butane)	196 - 3919	ND	
Methanol	58 - 1169	ND	
Pentane	93 - 1861	ND	
Ethanol	95 - 1898	ND	
Acetone	94 - 1873	ND	
Isopropyl Alcohol	95 - 1890	ND	
Hexane	6 - 118	ND	
Ethyl Acetate	94 - 1885	ND	
Benzene	0.2 - 3.8	ND	
Heptanes	91 - 1830	ND	
Toluene	17 - 334	ND	
Xylenes (m,p,o-Xylenes)	118 - 2362	ND	

Final Approval



Karen Winternheimer
13Mar2024
10:30:00 AM MDT

PREPARED BY / DATE



Phillip Travisano
13Mar2024
10:31:00 AM MDT

APPROVED BY / DATE

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Heavy Metals - Colorado Compliance


Test ID: T000273808

Methods: TM19 (ICP-MS): Heavy

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.05 - 4.62	ND	
Cadmium	0.05 - 4.51	ND	
Mercury	0.05 - 4.59	ND	
Lead	0.04 - 4.50	ND	

Final Approval


Phillip Travisano
13Mar2024
12:04:00 PM MDT
PREPARED BY / DATE


Karen Winternheimer
13Mar2024
12:21:00 PM MDT
APPROVED BY / DATE

Cannabinoids - Colorado Compliance


Test ID: T000273805

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

Cannabinoid Analysis	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.012	0.038	0.316	3.16	
Cannabichromenic Acid (CBCA)	0.011	0.035	ND	ND	
Cannabidiol (CBD)	0.036	0.104	4.242	42.42	
Cannabidiolic Acid (CBDA)	0.037	0.107	ND	ND	
Cannabidivarin (CBDV)	0.009	0.025	0.035	0.35	
Cannabidivarinic Acid (CBDVA)	0.015	0.045	ND	ND	
Cannabigerol (CBG)	0.007	0.022	4.362	43.62	
Cannabigerolic Acid (CBGA)	0.028	0.090	ND	ND	
Cannabinol (CBN)	0.009	0.028	<LOQ	<LOQ	
Cannabinolic Acid (CBNA)	0.019	0.062	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.034	0.108	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.030	0.098	0.117	1.17	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.027	0.087	ND	ND	
Tetrahydrocannabivarin (THCV)	0.006	0.020	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.024	0.077	ND	ND	
Total Cannabinoids			9.072	90.72	
Total Potential THC			0.117	1.17	
Total Potential CBD			4.242	42.42	

Final Approval


Karen Winternheimer
15Mar2024
03:02:00 PM MDT
PREPARED BY / DATE


Phillip Travisano
15Mar2024
03:04:00 PM MDT
APPROVED BY / DATE

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Microbial Contaminants - Colorado Compliance

Test ID: T000273807
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
15Mar2024
10:22:00 AM MDT



Eden Thompson-Wright
15Mar2024
11:13:00 AM MDT

PREPARED BY / DATE

APPROVED BY / DATE

Mycotoxins - Colorado Compliance

Test ID: T000273810
Methods: TM18 (UHPLC-QQQ)
LCMS/MS: Mycotoxins

	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	2.86 - 130.01	ND	N/A
Aflatoxin B1	0.94 - 33.61	ND	
Aflatoxin B2	1.04 - 33.51	ND	
Aflatoxin G1	1.07 - 33.83	ND	
Aflatoxin G2	1.14 - 34.00	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

Final Approval



Karen Winternheimer
19Mar2024
09:36:00 AM MDT



Phillip Travisano
19Mar2024
09:37:00 AM MDT

PREPARED BY / DATE

APPROVED BY / DATE

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<https://results.botanacor.com/api/v1/coas/uuid/a77a242a-64c9-4e53-861d-7d6f12935c38>

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 \times (0.877)) and Total CBD = CBD + (CBDa \times (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 \times (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.

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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