

Prepared for:

VetCS

6834 S University Blvd #225
Centennial, CO USA 80122

VetCS Medium Breed Dog 1000mg-C0504

Batch ID or Lot Number: 103384	Test, Test ID and Methods: Various	Matrix: Finished Product	Page 1 of 6
Reported: 31Jul2023	Started: 29Jul2023	Received: 28Jul2023	

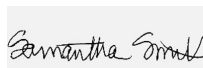
Heavy Metals - Colorado Compliance

Test ID: T000250856

Methods: TM19 (ICP-MS): Heavy

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.05 - 4.66	ND	
Cadmium	0.05 - 4.55	ND	
Mercury	0.05 - 4.64	ND	
Lead	0.04 - 4.44	ND	

Final Approval


Sam Smith
31Jul2023
12:41:00 PM MDT
PREPARED BY / DATE


Karen Winternheimer
31Jul2023
12:44:00 PM MDT
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Cannabinoids - Colorado Compliance

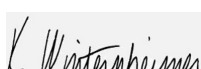
Test ID: T000250852

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

Cannabinoid Analysis	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.006	0.018	<LOQ	<LOQ	
Cannabichromenic Acid (CBCA)	0.005	0.017	ND	ND	
Cannabidiol (CBD)	0.018	0.048	3.226	32.26	
Cannabidiolic Acid (CBDA)	0.018	0.049	ND	ND	
Cannabidivarin (CBDV)	0.004	0.011	<LOQ	<LOQ	
Cannabidivarinic Acid (CBDVA)	0.008	0.020	ND	ND	
Cannabigerol (CBG)	0.003	0.010	0.082	0.82	
Cannabigerolic Acid (CBGA)	0.013	0.043	ND	ND	
Cannabinol (CBN)	0.004	0.013	0.037	0.37	
Cannabinolic Acid (CBNA)	0.009	0.029	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.016	0.051	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.014	0.047	0.115	1.15	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.013	0.041	ND	ND	
Tetrahydrocannabivarin (THCV)	0.003	0.009	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.011	0.036	ND	ND	
Total Cannabinoids			3.460	34.60	
Total Potential THC			0.115	1.15	
Total Potential CBD			3.226	32.26	

Final Approval


Sam Smith
02Aug2023
03:00:00 PM MDT
PREPARED BY / DATE


Karen Winternheimer
02Aug2023
03:05:00 PM MDT
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Centennial, CO USA 80122

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Matrix:

Finished Product

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Reported:

31Jul2023

Started:

29Jul2023

Received:

28Jul2023

Pesticides

Test ID: T000250854

Methods: TM17

(LC-QQ LC MS/MS)

Dynamic Range (ppb)**Result (ppb)**

Abamectin	405 - 2594	ND
Acephate	38 - 2739	ND
Acetamiprid	41 - 2701	ND
Azoxystrobin	46 - 2690	ND
Bifenazate	42 - 2685	ND
Boscalid	42 - 2763	ND
Carbaryl	38 - 2710	ND
Carbofuran	44 - 2694	ND
Chlorantraniliprole	39 - 2719	ND
Chlorpyrifos	41 - 2733	ND
Clofentezine	294 - 2738	ND
Diazinon	301 - 2710	ND
Dichlorvos	279 - 2725	ND
Dimethoate	43 - 2691	ND
E-Fenpyroximate	308 - 2765	ND
Etofenprox	43 - 2718	ND
Etoxazole	318 - 2725	ND
Fenoxycarb	42 - 2714	ND
Fipronil	51 - 2692	ND
Flonicamid	43 - 2744	ND
Fludioxonil	320 - 2720	ND
Hexythiazox	43 - 2750	ND
Imazalil	296 - 2740	ND
Imidacloprid	42 - 2739	ND
Kresoxim-methyl	44 - 2723	ND

Dynamic Range (ppb)**Result (ppb)**

Malathion	303 - 2745	ND
Metalaxyl	43 - 2698	ND
Methiocarb	40 - 2731	ND
Methomyl	39 - 2736	ND
MGK 264 1	185 - 1690	ND
MGK 264 2	112 - 1093	ND
Myclobutanil	30 - 2725	ND
Naled	41 - 2674	ND
Oxamyl	40 - 2747	ND
Paclobutrazol	43 - 2700	ND
Permethrin	307 - 2723	ND
Phosmet	43 - 2685	ND
Prophos	317 - 2737	ND
Propoxur	42 - 2716	ND
Pyridaben	313 - 2703	ND
Spinosad A	30 - 2095	ND
Spinosad D	72 - 666	ND
Spiromesifen	302 - 2737	ND
Spirotetramat	327 - 2733	ND
Spiroxamine 1	17 - 1242	ND
Spiroxamine 2	21 - 1511	ND
Tebuconazole	318 - 2716	ND
Thiacloprid	40 - 2696	ND
Thiamethoxam	39 - 2740	ND
Trifloxystrobin	42 - 2699	ND

Final ApprovalKaren Winterheimer
03Aug2023
01:15:00 PM MDT

PREPARED BY / DATE

Sam Smith
03Aug2023
01:18:00 PM MDT

APPROVED BY / DATE

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Residual Solvents - Colorado Compliance

Test ID: T000250857

Methods: TM04 (GC-MS): Residual

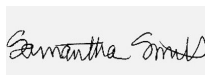
Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	102 - 2038	ND	
Butanes (Isobutane, n-Butane)	200 - 4001	ND	
Methanol	62 - 1240	ND	
Pentane	101 - 2016	ND	
Ethanol	99 - 1990	ND	
Acetone	101 - 2030	ND	
Isopropyl Alcohol	103 - 2059	ND	
Hexane	6 - 126	ND	
Ethyl Acetate	101 - 2019	ND	
Benzene	0.2 - 4.1	ND	
Heptanes	102 - 2036	ND	
Toluene	18 - 366	ND	
Xylenes (m,p,o-Xylenes)	134 - 2675	ND	

Final Approval



Karen Winternheimer
03Aug2023
01:42:00 PM MDT

PREPARED BY / DATE



Sam Smith
03Aug2023
01:46:00 PM MDT

APPROVED BY / DATE

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Microbial Contaminants - Colorado Compliance

Test ID: T000250855

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



Brianne Maillot
03Aug2023
10:24:00 AM MDT

PREPARED BY / DATE



Eden Thompson-Wright
03Aug2023
10:58:00 AM MDT

APPROVED BY / DATE

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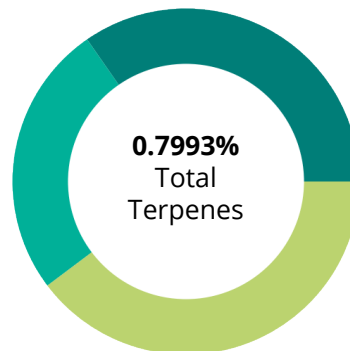
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Terpenes

Test ID: T000250853

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	0.0000	0.0000
alpha-Pinene	0.0000	0.0000
alpha-Terpinene	0.0000	0.0000
beta-Caryophyllene	0.2770	2.770
beta-Myrcene	0.2048	2.048
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	0.000
gamma-Terpinene	0.0000	0.0000
Geraniol	0.0000	0.0000
Linalool	0.3175	3.175
Ocimene	0.0000	0.0000
p-Cymene	0.0000	0.0000
Terpinolene	0.0000	0.0000
trans-Nerolidol	0.0000	0.0000
	0.7993	7.9930



PREDOMINANT TERPENES

(-)-alpha-Bisabolol	0.0000	
(-)-beta-Pinene	0.0000	
alpha-Humulene	0.0000	
alpha-Pinene	0.0000	
alpha-Terpinene	0.0000	
beta-Caryophyllene	0.2770	
beta-Myrcene	0.2048	
d-Limonene	0.0000	
delta-3-Carene	0.0000	
Linalool	0.3175	

Notes

Final Approval

K Winterheimer

Karen Winterheimer
09Aug2023
08:21:00 AM MDT

PREPARED BY / DATE

Sam Smith

Sam Smith
09Aug2023
08:24:00 AM MDT

APPROVED BY / DATE

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<https://results.botanacor.com/api/v1/coas/uuid/d0e902d0-74fd-41c0-bdda-620404552814>

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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