

Prepared for:

VetCS

6834 S University Blvd #225

Centennial, CO USA 80122

111422-Hemp Extract Paste-C0504

Batch ID or Lot Number:

103372

Test, Test ID and Methods:

Various

Matrix:

Concentrate

Page 1 of 5

Reported:

17Nov2022

Started:

16May2022

Received:

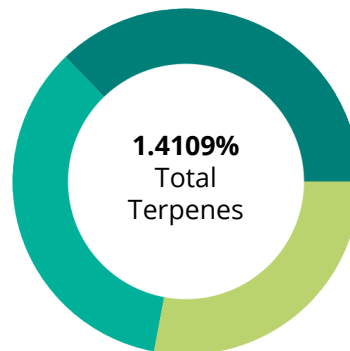
15Nov2022

Terpenes

Test ID: T000227836

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	0.0018	0.018
alpha-Pinene	0.0000	0.0000
alpha-Terpinene	0.0009	0.009
beta-Caryophyllene	0.5223	5.223
beta-Myrcene	0.4888	4.888
beta-Ocimene	0.0000	0.0000
Camphene	0.0000	0.0000
cis-Nerolidol	0.0000	0.0000
d-Limonene	0.0030	0.030
delta-3-Carene	0.0000	0.0000
Eucalyptol	0.0000	0.0000
gamma-Terpinene	0.0000	0.0000
Geraniol	0.0000	0.0000
Linalool	0.3924	3.924
Ocimene	0.0017	0.017
p-Cymene	0.0000	0.0000
Terpinolene	0.0000	0.0000
trans-Nerolidol	0.0000	0.0000
	1.4109	14.1090



PREDOMINANT TERPENES

(-)-alpha-Bisabolol 0.0000

(-)-beta-Pinene 0.0000

alpha-Humulene 0.0018

alpha-Pinene 0.0000

alpha-Terpinene 0.0009

beta-Caryophyllene 0.5223

beta-Myrcene 0.4888

d-Limonene 0.0030

delta-3-Carene 0.0000

Linalool 0.3924

Notes

Final Approval



Karen Winternheimer
17Nov2022
01:14:00 PM MST

PREPARED BY / DATE



Sam Smith
17Nov2022
01:17:00 PM MST

APPROVED BY / DATE

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Residual Solvents - Colorado Compliance

Test ID: T000227840

Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	99 - 1974	ND	
Butanes (Isobutane, n-Butane)	199 - 3976	ND	
Methanol	58 - 1156	ND	
Pentane	106 - 2115	ND	
Ethanol	92 - 1850	ND	
Acetone	99 - 1971	ND	
Isopropyl Alcohol	95 - 1897	ND	
Hexane	6 - 124	ND	
Ethyl Acetate	97 - 1946	ND	
Benzene	0.2 - 4.0	ND	
Heptanes	102 - 2044	ND	
Toluene	16 - 327	ND	
Xylenes (m,p,o-Xylenes)	117 - 2335	ND	

Final Approval



Karen Winternheimer

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06:35:00 AM MST

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Sam Smith

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111422-Hemp Extract Paste-C0504

Batch ID or Lot Number: 103372	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 3 of 5
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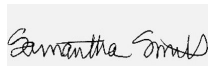
Heavy Metals - Colorado Compliance

Test ID: T000227839

Methods: TM19 (ICP-MS): Heavy

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.04 - 3.65	ND	
Cadmium	0.03 - 3.49	ND	
Mercury	0.03 - 3.47	ND	
Lead	0.03 - 3.24	ND	

Final Approval


Samantha Smith

Sam Smith
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Karen Winternheimer

Karen Winternheimer
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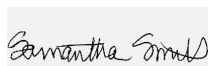
Cannabinoids - Colorado Compliance

Test ID: T000227835

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

Cannabinoid Analysis	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.009	0.024	<LOQ	<LOQ	
Cannabichromenic Acid (CBCA)	0.008	0.022	ND	ND	
Cannabidiol (CBD)	0.020	0.067	7.211	72.11	
Cannabidiolic Acid (CBDA)	0.020	0.068	ND	ND	
Cannabidivarin (CBDV)	0.005	0.016	0.043	0.43	
Cannabidivarinic Acid (CBDVA)	0.008	0.029	ND	ND	
Cannabigerol (CBG)	0.005	0.014	0.166	1.66	
Cannabigerolic Acid (CBGA)	0.021	0.057	ND	ND	
Cannabinol (CBN)	0.006	0.018	0.100	1.00	
Cannabinolic Acid (CBNA)	0.014	0.039	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.025	0.068	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.022	0.062	0.255	2.55	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.020	0.055	ND	ND	
Tetrahydrocannabivarin (THCV)	0.005	0.012	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.018	0.048	ND	ND	
Total Cannabinoids			7.775	77.75	
Total Potential THC			0.255	2.55	
Total Potential CBD			7.211	72.11	

Final Approval


Samantha Smith

Sam Smith
18Nov2022
11:56:00 AM MST

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Karen Winternheimer

Karen Winternheimer
18Nov2022
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Reported:

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Pesticides

Test ID: T000227837

Methods: TM17

(LC-QQ LC MS/MS)

Dynamic Range (ppb)

Result (ppb)

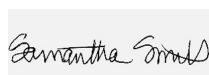
Abamectin	306 - 2569	ND
Acephate	43 - 2750	ND
Acetamiprid	43 - 2732	ND
Azoxystrobin	43 - 2730	ND
Bifenazate	37 - 2709	ND
Boscalid	39 - 2710	ND
Carbaryl	41 - 2726	ND
Carbofuran	41 - 2730	ND
Chlorantraniliprole	42 - 2723	ND
Chlorpyrifos	35 - 2774	ND
Clofentezine	272 - 2769	ND
Diazinon	277 - 2737	ND
Dichlorvos	266 - 2748	ND
Dimethoate	40 - 2718	ND
E-Fenpyroximate	298 - 2753	ND
Etofenprox	44 - 2646	ND
Etoxazole	306 - 2736	ND
Fenoxycarb	39 - 2746	ND
Fipronil	46 - 2803	ND
Flonicamid	49 - 2690	ND
Fludioxonil	291 - 2678	ND
Hexythiazox	40 - 2758	ND
Imazalil	261 - 2768	ND
Imidacloprid	46 - 2747	ND
Kresoxim-methyl	44 - 2758	ND

Dynamic Range (ppb)

Result (ppb)

Malathion	283 - 2728	ND
Metalaxyl	42 - 2725	ND
Methiocarb	42 - 2693	ND
Methomyl	40 - 2708	ND
MGK 264 1	178 - 1588	ND
MGK 264 2	117 - 1142	ND
Myclobutanil	48 - 2702	ND
Naled	42 - 2747	ND
Oxamyl	41 - 2725	ND
Paclobutrazol	41 - 2721	ND
Permethrin	300 - 2735	ND
Phosmet	37 - 2712	ND
Prophos	280 - 2694	ND
Propoxur	40 - 2733	ND
Pyridaben	289 - 2666	ND
Spinosad A	32 - 2240	ND
Spinosad D	52 - 484	ND
Spiromesifen	279 - 2775	ND
Spirotetramat	281 - 2719	ND
Spiroxamine 1	18 - 1172	ND
Spiroxamine 2	22 - 1536	ND
Tebuconazole	278 - 2723	ND
Thiacloprid	41 - 2728	ND
Thiamethoxam	38 - 2751	ND
Trifloxystrobin	42 - 2766	ND

Final Approval



Sam Smith
21Nov2022
01:36:00 PM MST

PREPARED BY / DATE



Karen Winternheimer
21Nov2022
01:41:00 PM MST

APPROVED BY / DATE

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**Microbial
Contaminants -
Colorado Compliance**

Test ID: T000227838

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 ApprovalBrett Hudson
20Nov2022
12:44:00 PM MSTBrianne Maillot
21Nov2022
04:21:00 PM MST

PREPARED BY / DATE

APPROVED BY / DATE

<https://results.botanacor.com/api/v1/coas/uuid/b68be3c3-3211-4186-98c0-1c6bab9eae1e>**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 Accredited by A2LA. 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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