

CERTIFICATE OF ANALYSIS

Prepared for:

VetCS

6834 S University Blvd #225
Centennial, CO USA 80122

092523-Hemp Extract Paste-C0504

Batch ID or Lot Number: 103391	Test: Potency	Reported: 28Sep2023	USDA License: N/A
Matrix: Concentrate	Test ID: T000257311	Started: 27Sep2023	Sampler ID: N/A
	Method(s): TM14 (HPLC-DAD): Potency – Standard Cannabinoid Analysis	Received: 26Sep2023	Status: Active

Cannabinoids


	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.005	0.019	<LOQ	<LOQ	
Cannabichromenic Acid (CBCA)	0.005	0.018	ND	ND	
Cannabidiol (CBD)	0.019	0.054	7.472	74.72	
Cannabidiolic Acid (CBDA)	0.020	0.055	ND	ND	
Cannabidivarin (CBDV)	0.005	0.013	0.030	0.30	
Cannabidivarinic Acid (CBDVA)	0.008	0.023	ND	ND	
Cannabigerol (CBG)	0.003	0.011	0.166	1.66	
Cannabigerolic Acid (CBGA)	0.012	0.046	ND	ND	
Cannabinol (CBN)	0.004	0.014	0.078	0.78	
Cannabinolic Acid (CBNA)	0.008	0.031	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.014	0.055	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.013	0.050	0.229	2.29	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.012	0.044	ND	ND	
Tetrahydrocannabivarin (THCV)	0.003	0.010	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.010	0.039	ND	ND	
Total Cannabinoids			7.975	79.75	
Total Potential THC			0.229	2.29	
Total Potential CBD			7.472	74.72	

Final Approval



Karen Winternheimer
28Sep2023
10:58:00 AM MDT

PREPARED BY / DATE



Sam Smith
28Sep2023
11:02:00 AM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/2c023a65-6582-4bf0-a4d2-794981b85689>

Definitions

% = % (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)).

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.



Cert #4329.02

CDPHE Certified

2c023a6565824bf0a4d2794981b85689.1

CERTIFICATE OF ANALYSIS

Prepared for:

VetCS


6834 S University Blvd #225
Centennial, CO USA 80122

091923-Hemp Extract Paste-C0504

Batch ID or Lot Number: 103391	Test: Residual Solvents	Reported: 26Sep2023	USDA License: N/A
Matrix: Concentrate	Test ID: T000256794	Started: 26Sep2023	Sampler ID: N/A
	Method(s): TM04 (GC-MS): Residual Solvents	Received: 20Sep2023	Status: Active

Residual Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	86 - 1722	ND	
Butanes (Isobutane, n-Butane)	177 - 3548	ND	
Methanol	55 - 1110	ND	
Pentane	90 - 1792	ND	
Ethanol	91 - 1811	ND	
Acetone	91 - 1823	ND	
Isopropyl Alcohol	93 - 1863	ND	
Hexane	5 - 108	ND	
Ethyl Acetate	91 - 1821	ND	
Benzene	0.2 - 3.7	ND	
Heptanes	91 - 1813	ND	
Toluene	16 - 329	ND	
Xylenes (m,p,o-Xylenes)	121 - 2427	ND	

Final Approval



Sam Smith
26Sep2023
01:13:00 PM MDT

PREPARED BY / DATE



Karen Winternheimer
26Sep2023
01:15:00 PM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/643c6906-5da5-423c-9cd4-b789c311fd3a>

Definitions

ND = None Detected (defined by dynamic range of the method)
Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range

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Prepared for:

VetCS

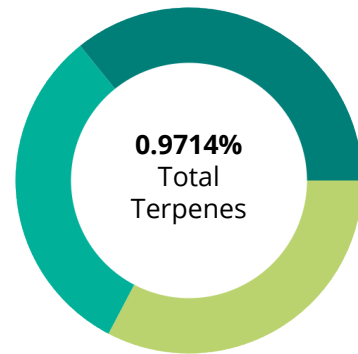
6834 S University Blvd #225
Centennial, CO USA 80122

091923-Hemp Extract Paste-C0504

Batch ID or Lot Number: 103391	Test: Terpenes	Reported: 29Sep2023	USDA License: NA
Matrix: Concentrate	Test ID: T000256790	Started: 28Sep2023	Sampler ID: NA
	Method(s): TM22 (GC-MS)	Received: 20Sep2023	Status: NA

Terpenes

	%(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	0.3477	3.477
beta-Myrcene	0.3063	3.063
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	0.3174	3.174
Ocimene	0.0000	0.0000
p-Cymene	0.0000	0.0000
Terpinolene	0.0000	0.0000
trans-Nerolidol	0.0000	0.0000
	0.9714	9.7140



PREDOMINANT TERPENES

(-)-alpha-Bisabolol	0.0000
(-)-beta-Pinene	0.0000
alpha-Humulene	0.0000
alpha-Pinene	0.0000
alpha-Terpinene	0.0000
beta-Caryophyllene	0.3477
beta-Myrcene	0.3063
d-Limonene	0.0000
delta-3-Carene	0.0000
Linalool	0.3174


Notes

Final Approval



PREPARED BY / DATE

Karen Winternheimer
29Sep2023
09:49:00 AM MDT



APPROVED BY / DATE

Sam Smith
29Sep2023
09:52:00 AM MDT



<https://results.botanacor.com/api/v1/coas/uuid/b1458afd-9a65-46c8-b2f1-fe0e059f3f60>

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.



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CERTIFICATE OF ANALYSIS

Prepared for:

VetCS

6834 S University Blvd #225
Centennial, CO USA 80122

091923-Hemp Extract Paste-C0504

Batch ID or Lot Number: 103391	Test: Microbial Contaminants	Reported: 25Sep2023	USDA License: N/A
Matrix: Finished Product	Test ID: T000256792	Started: 21Sep2023	Sampler ID: N/A
	Method(s): TM25 (qPCR) TM24, TM26, TM27 (Culture Plating): Microbial (Colorado Panel)	Received: 20Sep2023	Status: Active

Microbial

Contaminants	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
24Sep2023
10:32:00 AM MDT

PREPARED BY / DATE



Brianne Maillot
25Sep2023
12:13:00 PM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/ced82de8-1520-4e54-8e80-d7a787a18c23>

Definitions

* 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
CFU/g = Colony Forming Units per Gram, LOD = Limit of Detection
ULOQ = Upper Limit of Quantitation, LLOQ = Lower Limit of Quantitation
STEC = Shiga Toxin-Producing E. coli

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CERTIFICATE OF ANALYSIS

Prepared for:

VetCS


6834 S University Blvd #225
Centennial, CO USA 80122

091923-Hemp Extract Paste-C0504

Batch ID or Lot Number: 103391	Test: Heavy Metals	Reported: 25Sep2023	USDA License: NA
Matrix: Concentrate	Test ID: T000256793	Started: 22Sep2023	Sampler ID: NA
	Method(s): TM19 (ICP-MS): Heavy Metals	Received: 20Sep2023	Status: NA

Heavy Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.04 - 4.35	ND	
Cadmium	0.04 - 4.23	ND	
Mercury	0.04 - 4.27	ND	
Lead	0.04 - 4.35	ND	

Final Approval



Sam Smith
25Sep2023
09:38:00 AM MDT

PREPARED BY / DATE



Karen Winternheimer
25Sep2023
09:41:00 AM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/fbffd1f3-10e4-4ca6-bbfe-4665e23901c9>

Definitions

ND = None Detected (defined by dynamic range of the method)
Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range

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Prepared for:

VetCS

6834 S University Blvd #225
Centennial, CO USA 80122

091923-Hemp Extract Paste-C0504

Batch ID or Lot Number: 103391	Test: Pesticides	Reported: 27Sep2023	USDA License: NA
Matrix: Concentrate	Test ID: T000256791	Started: 26Sep2023	Sampler ID: NA
	Method(s): TM17 (LC-QQ LC MS/MS)	Received: 20Sep2023	Status: NA

Pesticides	Dynamic Range (ppb)	Result (ppb)	Pesticides	Dynamic Range (ppb)	Result (ppb)
Abamectin	311 - 2689	ND	Malathion	262 - 2743	ND
Acephate	47 - 2789	ND	Metalaxyl	41 - 2719	ND
Acetamiprid	40 - 2750	ND	Methiocarb	41 - 2788	ND
Azoxystrobin	44 - 2737	ND	Methomyl	40 - 2776	ND
Bifenazate	39 - 2749	ND	MGK 264 1	176 - 1672	ND
Boscalid	42 - 2758	ND	MGK 264 2	114 - 1081	ND
Carbaryl	41 - 2732	ND	Myclobutanil	142 - 2789	ND
Carbofuran	40 - 2727	ND	Naled	46 - 2768	ND
Chlorantraniliprole	45 - 2795	ND	Oxamyl	42 - 2771	ND
Chlorpyrifos	46 - 2687	ND	Pacllobutrazol	44 - 2699	ND
Clofentezine	284 - 2765	ND	Permethrin	297 - 2665	ND
Diazinon	274 - 2760	ND	Phosmet	39 - 2761	ND
Dichlorvos	305 - 2781	ND	Prophos	321 - 2786	ND
Dimethoate	42 - 2753	ND	Propoxur	41 - 2711	ND
E-Fenpyroximate	289 - 2723	ND	Pyridaben	285 - 2699	ND
Etofenprox	39 - 2673	ND	Spinosad A	31 - 2104	ND
Etoxazole	294 - 2706	ND	Spinosad D	63 - 661	ND
Fenoxycarb	38 - 2765	ND	Spiromesifen	276 - 2696	ND
Fipronil	77 - 2752	ND	Spirotetramat	268 - 2774	ND
Flonicamid	40 - 2834	ND	Spiroxamine 1	19 - 1220	ND
Fludioxonil	281 - 2808	ND	Spiroxamine 2	21 - 1563	ND
Hexythiazox	38 - 2721	ND	Tebuconazole	286 - 2743	ND
Imazalil	252 - 2790	ND	Thiacloprid	41 - 2736	ND
Imidacloprid	42 - 2788	ND	Thiamethoxam	42 - 2772	ND
Kresoxim-methyl	42 - 2769	ND	Trifloxystrobin	44 - 2709	ND

Final Approval



Karen Winternheimer
27Sep2023
01:00:00 PM MDT

PREPARED BY / DATE



Sam Smith
27Sep2023
01:03:00 PM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/eeb1f00c-e392-4cde-8779-31aae15fa863>

Definitions

ND = None Detected (defined by dynamic range of the method)
Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range
ppb = Parts Per Billion

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