SC Labs®
Formerly Botanacor Labs

CERTIFICATE OF ANALYSIS

Prepared for:
VetCS
6834 S University Blvd #225
Centennial, CO USA 80122

090324-Hemp Extract Paste-C0504

Batch ID or Lot Number:	Test, Test ID and Methods:	Matrix:	
103411	Various	Finished Product	
Reported:	**Started:**	**Received:**	
09Sep2024	05Sep2024	04Sep2024	

Microbial Contaminants - Colorado Compliance

Test ID: T000289353
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
Salmonella	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	$1.0x10^3$ - $1.5x10^5$	<LLOQ	
Total Coliforms*	TM27: Culture Plating	10^1 CFU/g	$1.0x10^2$ - $1.5x10^4$	None Detected	

Final Approval

Brianne Maillot
08Sep2024
01:58:00 PM MDT
PREPARED BY / DATE

Brett Hudson
09Sep2024
03:41:00 PM MDT
APPROVED BY / DATE

SC Labs®
Formerly Botanacor Labs

CERTIFICATE OF ANALYSIS

Prepared for:
VetCS
6834 S University Blvd #225
Centennial, CO USA 80122

090324-Hemp Extract Paste-C0504

Batch ID or Lot Number:	Test, Test ID and Methods:	Matrix:	
103411	Various	Finished Product	
Reported:	Started:	Received:	
09Sep2024	05Sep2024	04Sep2024	

Residual Solvents - Colorado Compliance

Test ID: T000289355
Methods: TM04 (GC-MS): Residual Solvents

	Dynamic Range (ppm)	**Result** (ppm)	**Notes**
Propane	85 - 1690	ND	
Butanes (Isobutane, n-Butane)	170 - 3394	ND	
Methanol	63 - 1254	ND	
Pentane	88 - 1753	ND	
Ethanol	95 - 1901	ND	
Acetone	105 - 2096	ND	
Isopropyl Alcohol	110 - 2207	ND	
Hexane	6 - 118	ND	
Ethyl Acetate	106 - 2119	ND	
Benzene	0.2 - 4.1	ND	
Heptanes	105 - 2092	ND	
Toluene	19 - 381	ND	
Xylenes (m,p,o-Xylenes)	139 - 2774	ND	

Final Approval

Samantha Smith
Sam Smith
10Sep2024
09:09:00 AM MDT
PREPARED BY / DATE

K Winternheimer
Karen Winternheimer
10Sep2024
09:10:00 AM MDT
APPROVED BY / DATE

SC Labs®
Formerly Botanacor Labs

CERTIFICATE OF ANALYSIS

Prepared for:
VetCS
6834 S University Blvd #225
Centennial, CO USA 80122

090324-Hemp Extract Paste-C0504

Batch ID or Lot Number:	Test, Test ID and Methods:	Matrix:	
103411	Various	Finished Product	

Reported:	Started:	Received:
09Sep2024	05Sep2024	04Sep2024

Cannabinoids - Colorado Compliance

Test ID: T000289350
Methods: TM14 (HPLC-DAD): Potency – Standard

Cannabinoid Analysis	**LOD** (%)	**LOQ** (%)	**Result** (%)	**Result** (mg/g)	**Notes**
Cannabichromene (CBC)	0.007	0.022	<LOQ	<LOQ	
Cannabichromenic Acid (CBCA)	0.006	0.020	ND	ND	
Cannabidiol (CBD)	0.020	0.052	7.211	72.11	
Cannabidiolic Acid (CBDA)	0.020	0.053	ND	ND	
Cannabidivarin (CBDV)	0.005	0.012	0.039	0.39	
Cannabidivarinic Acid (CBDVA)	0.008	0.022	ND	ND	
Cannabigerol (CBG)	0.004	0.012	0.156	1.56	
Cannabigerolic Acid (CBGA)	0.017	0.051	ND	ND	
Cannabinol (CBN)	0.005	0.016	0.088	0.88	
Cannabinolic Acid (CBNA)	0.011	0.035	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.020	0.061	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.018	0.055	0.221	2.21	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.016	0.049	ND	ND	
Tetrahydrocannabivarin (THCV)	0.004	0.011	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.014	0.043	ND	ND	
Total Cannabinoids			**7.715**	**77.15**	
Total Potential THC			0.221	2.21	
Total Potential CBD			7.211	72.11	

Final Approval

Sam Smith
10Sep2024
02:26:00 PM MDT
PREPARED BY / DATE

Karen Winternheimer
10Sep2024
02:30:00 PM MDT
APPROVED BY / DATE

Heavy Metals - Colorado Compliance

Test ID: T000289354
Methods: TM19 (ICP-MS): Heavy

Metals	**Dynamic Range** (ppm)	**Result** (ppm)	**Notes**
Arsenic	0.05 - 4.69	ND	
Cadmium	0.05 - 4.54	ND	
Mercury	0.05 - 4.53	ND	
Lead	0.05 - 5.12	ND	

Final Approval

Judith Marquez
11Sep2024
01:32:00 PM MDT
PREPARED BY / DATE

Colin Hendrickson
11Sep2024
04:49:00 PM MDT
APPROVED BY / DATE

SC Labs®
Formerly Botanacor Labs

CERTIFICATE OF ANALYSIS

Prepared for:
VetCS
6834 S University Blvd #225
Centennial, CO USA 80122

090324-Hemp Extract Paste-C0504

Batch ID or Lot Number:	Test, Test ID and Methods:	Matrix:	
103411	Various	Finished Product	
Reported:	**Started:**	**Received:**	
09Sep2024	05Sep2024	04Sep2024	

Pesticides

Test ID: T000289352
Methods: TM17

(LC-QQ LC MS/MS)	**Dynamic Range** (ppb)	**Result** (ppb)
Abamectin	358 - 2788	ND
Acephate	47 - 2723	ND
Acetamiprid	42 - 2696	ND
Azoxystrobin	40 - 2692	ND
Bifenazate	43 - 2621	ND
Boscalid	43 - 2711	ND
Carbaryl	41 - 2708	ND
Carbofuran	38 - 2691	ND
Chlorantraniliprole	37 - 2710	ND
Chlorpyrifos	59 - 2649	ND
Clofentezine	281 - 2706	ND
Diazinon	259 - 2721	ND
Dichlorvos	287 - 2673	ND
Dimethoate	44 - 2712	ND
E-Fenpyroximate	289 - 2726	ND
Etofenprox	40 - 2689	ND
Etoxazole	272 - 2642	ND
Fenoxycarb	40 - 2712	ND
Fipronil	54 - 2755	ND
Flonicamid	22 - 2728	ND
Fludioxonil	337 - 2616	ND
Hexythiazox	42 - 2804	ND
Imazalil	276 - 2736	ND
Imidacloprid	40 - 2752	ND
Kresoxim-methyl	45 - 2762	ND

	Dynamic Range (ppb)	**Result** (ppb)
Malathion	256 - 2684	ND
Metalaxyl	46 - 2739	ND
Methiocarb	21 - 2762	ND
Methomyl	44 - 2758	ND
MGK 264 1	169 - 1602	ND
MGK 264 2	88 - 1063	ND
Myclobutanil	43 - 2690	ND
Naled	30 - 2605	ND
Oxamyl	44 - 2758	ND
Paclobutrazol	43 - 2702	ND
Permethrin	321 - 2732	ND
Phosmet	38 - 2597	ND
Prophos	281 - 2725	ND
Propoxur	41 - 2692	ND
Pyridaben	283 - 2756	ND
Spinosad A	31 - 2039	ND
Spinosad D	30 - 652	ND
Spiromesifen	285 - 2702	ND
Spirotetramat	253 - 2783	ND
Spiroxamine 1	15 - 1039	ND
Spiroxamine 2	18 - 1609	ND
Tebuconazole	262 - 2715	ND
Thiacloprid	42 - 2734	ND
Thiamethoxam	43 - 2741	ND
Trifloxystrobin	42 - 2697	ND

Final Approval

Sam Smith
14Sep2024
12:29:00 PM MDT
PREPARED BY / DATE

Karen Winternheimer
14Sep2024
12:31:00 PM MDT
APPROVED BY / DATE

SC Labs®
Formerly Botanacor Labs

CERTIFICATE OF ANALYSIS

Prepared for:
VetCS
6834 S University Blvd #225
Centennial, CO USA 80122

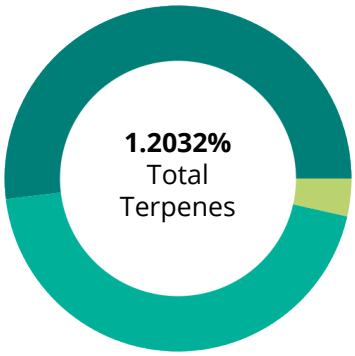
090324-Hemp Extract Paste-C0504

Batch ID or Lot Number:	Test, Test ID and Methods:	Matrix:	Page 5 of 6
103411	Various	Finished Product	
Reported:	**Started:**	**Received:**	
09Sep2024	05Sep2024	04Sep2024	

Terpenes

Test ID: T000289351

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	0.0021	0.021
alpha-Pinene	0.0000	0.0000
alpha-Terpinene	0.0011	0.011
beta-Caryophyllene	0.5415	5.415
beta-Myrcene	0.4649	4.649
beta-Ocimene	0.0000	0.0000
Camphene	0.0000	0.0000
cis-Nerolidol	0.0000	0.0000
d-Limonene	0.0034	0.034
delta-3-Carene	0.0367	0.367
Eucalyptol	0.0000	0.0000
gamma-Terpinene	0.0000	0.0000
Geraniol	0.0000	0.0000
Linalool	0.0000	0.000
Ocimene	0.0000	0.0000
p-Cymene	0.0000	0.0000
Terpinolene	0.1535	1.535
trans-Nerolidol	0.0000	0.0000
	1.2032	**12.0320**



PREDOMINANT TERPENES

(-)-alpha-Bisabolol	0.0000
(-)-beta-Pinene	0.0000
alpha-Humulene	0.0021
alpha-Pinene	0.0000
alpha-Terpinene	0.0011
beta-Caryophyllene	0.5415
beta-Myrcene	0.4649
d-Limonene	0.0034
delta-3-Carene	0.0367
Linalool	0.0000

Notes

Final Approval

Karen Winternheimer
23Sep2024
12:46:00 PM MDT
PREPARED BY / DATE

Sam Smith
23Sep2024
12:48:00 PM MDT
APPROVED BY / DATE

SC Labs®
Formerly Botanacor Labs

CERTIFICATE OF ANALYSIS

Prepared for:
VetCS
6834 S University Blvd #225
Centennial, CO USA 80122

090324-Hemp Extract Paste-C0504

Batch ID or Lot Number:	Test, Test ID and Methods:	Matrix:	Page 6 of 6
103411	Various	Finished Product	
Reported:	**Started:**	**Received:**	
09Sep2024	05Sep2024	04Sep2024	

https://results.botanacor.com/api/v1/coas/uuid/bbd5d619-891d-42d9-a6f0-3e69fa4f628d

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.

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.

Cert #4329.02
bbd5d619891d42d9a6f03e69fa4f628d.1