SC Labs®
Formerly Botanacor Labs

CERTIFICATE OF ANALYSIS

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

082924- Large Breed Dog 2000mg Bacon-D-KAB0304021

Batch ID or Lot Number:	Test, Test ID and Methods:	Matrix:	Page 1 of 5
103413	Various	Finished Product	
Reported:	Started:	Received:	
03Sep2024	30Aug2024	30Aug2024	

Microbial Contaminants - Colorado Compliance

Test ID: T000289061
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	$1.0x10^3$ - $1.5x10^5$	None Detected	
Total Coliforms*	TM27: Culture Plating	10^1 CFU/g	$1.0x10^2$ - $1.5x10^4$	None Detected	

Final Approval

Brianne Maillot
03Sep2024
03:14:00 PM MDT
PREPARED BY / DATE

Brett Hudson
03Sep2024
04:44:00 PM MDT
APPROVED BY / DATE

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Residual Solvents - Colorado Compliance

Test ID: T000289063
Methods: TM04 (GC-MS): Residual Solvents

	Dynamic Range (ppm)	**Result** (ppm)	**Notes**
Propane	94 - 1876	ND	
Butanes (Isobutane, n-Butane)	187 - 3749	ND	
Methanol	59 - 1174	ND	
Pentane	75 - 1495	ND	
Ethanol	89 - 1777	ND	
Acetone	94 - 1880	ND	
Isopropyl Alcohol	102 - 2047	ND	
Hexane	6 - 112	ND	
Ethyl Acetate	98 - 1958	ND	
Benzene	0.2 - 3.9	ND	
Heptanes	90 - 1796	ND	
Toluene	18 - 350	ND	
Xylenes (m,p,o-Xylenes)	131 - 2627	ND	

Final Approval

Karen Winternheimer
04Sep2024
02:30:00 PM MDT
PREPARED BY / DATE

Sam Smith
04Sep2024
03:13:00 PM MDT
APPROVED BY / DATE

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Cannabinoids - Colorado Compliance

Test ID: T000289059
Methods: TM14 (HPLC-DAD): Potency – Standard

Cannabinoid Analysis	**LOD** (%)	**LOQ** (%)	**Result** (%)	**Result** (mg/g)	**Notes**
Cannabichromene (CBC)	0.005	0.017	ND	ND	
Cannabichromenic Acid (CBCA)	0.004	0.015	ND	ND	
Cannabidiol (CBD)	0.021	0.052	6.360	63.60	
Cannabidiolic Acid (CBDA)	0.022	0.054	ND	ND	
Cannabidivarin (CBDV)	0.005	0.012	0.023	0.23	
Cannabidivarinic Acid (CBDVA)	0.009	0.022	ND	ND	
Cannabigerol (CBG)	0.003	0.010	0.241	2.41	
Cannabigerolic Acid (CBGA)	0.011	0.040	ND	ND	
Cannabinol (CBN)	0.004	0.012	ND	ND	
Cannabinolic Acid (CBNA)	0.008	0.027	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.014	0.048	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.012	0.043	0.166	1.66	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.011	0.038	ND	ND	
Tetrahydrocannabivarin (THCV)	0.002	0.009	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.010	0.034	ND	ND	
Total Cannabinoids			**6.790**	**67.90**	
Total Potential THC			0.166	1.66	
Total Potential CBD			6.360	63.60	

Final Approval

Karen Winternheimer
04Sep2024
04:10:00 PM MDT
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Sam Smith
04Sep2024
04:17:00 PM MDT
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Pesticides

Test ID: T000289060
Methods: TM17

(LC-QQ LC MS/MS)	**Dynamic Range** (ppb)	**Result** (ppb)
Abamectin	286 - 2801	ND
Acephate	45 - 2771	ND
Acetamiprid	42 - 2697	ND
Azoxystrobin	46 - 2753	ND
Bifenazate	42 - 2768	ND
Boscalid	45 - 2710	ND
Carbaryl	42 - 2722	ND
Carbofuran	40 - 2705	ND
Chlorantraniliprole	43 - 2721	ND
Chlorpyrifos	68 - 2702	ND
Clofentezine	290 - 2767	ND
Diazinon	261 - 2789	ND
Dichlorvos	298 - 2726	ND
Dimethoate	46 - 2687	ND
E-Fenpyroximate	273 - 2676	ND
Etofenprox	40 - 2686	ND
Etoxazole	265 - 2598	ND
Fenoxycarb	22 - 2770	ND
Fipronil	53 - 2775	ND
Flonicamid	55 - 2789	ND
Fludioxonil	265 - 2759	ND
Hexythiazox	39 - 2685	ND
Imazalil	279 - 2796	ND
Imidacloprid	46 - 2736	ND
Kresoxim-methyl	44 - 2782	ND

	Dynamic Range (ppb)	**Result** (ppb)
Malathion	268 - 2780	ND
Metalaxyl	48 - 2773	ND
Methiocarb	40 - 2740	ND
Methomyl	46 - 2750	ND
MGK 264 1	148 - 1664	ND
MGK 264 2	121 - 1085	ND
Myclobutanil	44 - 2708	ND
Naled	55 - 2658	ND
Oxamyl	44 - 2750	ND
Paclobutrazol	41 - 2696	ND
Permethrin	298 - 2661	ND
Phosmet	40 - 2652	ND
Prophos	272 - 2757	ND
Propoxur	42 - 2705	ND
Pyridaben	274 - 2694	ND
Spinosad A	35 - 2077	ND
Spinosad D	62 - 649	ND
Spiromesifen	260 - 2695	ND
Spirotetramat	277 - 2822	ND
Spiroxamine 1	16 - 1039	ND
Spiroxamine 2	26 - 1603	ND
Tebuconazole	286 - 2689	ND
Thiacloprid	47 - 2743	ND
Thiamethoxam	50 - 2737	ND
Trifloxystrobin	42 - 2720	ND

Final Approval

Karen Winternheimer
04Sep2024
08:23:00 AM MDT
PREPARED BY / DATE

Sam Smith
04Sep2024
08:27:00 AM MDT
APPROVED BY / DATE

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Heavy Metals - Colorado Compliance

Test ID: T000289062
Methods: TM19 (ICP-MS): Heavy Metals

Dynamic Range (ppm)	**Result** (ppm)	**Notes**
0.05 - 4.64	ND	
0.05 - 4.53	ND	
0.05 - 4.55	ND	
0.05 - 4.84	ND	

Final Approval

Judith Marquez
05Sep2024
11:39:00 AM MDT
PREPARED BY / DATE

Sam Smith
05Sep2024
11:47:00 AM MDT
APPROVED BY / DATE

https://results.botanacor.com/api/v1/coas/uuid/796936a9-d7b7-4edd-8076-e86369cb980e

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.

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