SC Labs®
Formerly Botanacor Labs

CERTIFICATE OF ANALYSIS

Prepared for:
Pet Releaf
8100 Southpark Way #A3
Littleton, CO USA 80120

600 mg - Stress Releaf

Batch ID or Lot Number:	Test, Test ID and Methods:	Matrix:	
1223FS606	Various	Concentrate	
Reported:	Started:	Received:	
01Dec2023	30Nov2023	30Nov2023	

Cannabinoids - Colorado Compliance

Test ID: T000263380
Methods: TM14 (HPLC-DAD): Potency – Standard

Cannabinoid Analysis	**LOD** (mg/mL)	**LOQ** (mg/mL)	**Result** (mg/mL)	**Result** (mg/g)	**Notes**
Cannabichromene (CBC)	0.065	0.219	0.625	0.66	Density = 0.945g/mL
Cannabichromenic Acid (CBCA)	0.059	0.201	ND	ND	
Cannabidiol (CBD)	0.221	0.524	21.332	22.57	
Cannabidiolic Acid (CBDA)	0.226	0.537	ND	ND	
Cannabidivarin (CBDV)	0.052	0.124	<LOQ	<LOQ	
Cannabidivarinic Acid (CBDVA)	0.094	0.224	ND	ND	
Cannabigerol (CBG)	0.037	0.125	0.166	0.18	
Cannabigerolic Acid (CBGA)	0.154	0.521	ND	ND	
Cannabinol (CBN)	0.048	0.163	0.202	0.21	
Cannabinolic Acid (CBNA)	0.105	0.355	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.183	0.620	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.166	0.564	ND	ND	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.147	0.499	ND	ND	
Tetrahydrocannabivarin (THCV)	0.033	0.113	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.130	0.440	ND	ND	
Total Cannabinoids			**22.325**	**23.62**	
Total Potential THC			ND	ND	
Total Potential CBD			21.332	22.57	

Final Approval

Samantha Smith
Sam Smith
05Dec2023
11:55:00 AM MST
PREPARED BY / DATE

K Winternheimer
Karen Winternheimer
05Dec2023
12:04:00 PM MST
APPROVED BY / DATE

Approved: Paul Gennings QC 12-01-23

SC Labs®
Formerly Botanacor Labs

CERTIFICATE OF ANALYSIS

Prepared for:
Pet Releaf
8100 Southpark Way #A3
Littleton, CO USA 80120

600 mg - Stress Releaf

Batch ID or Lot Number:	Test, Test ID and Methods:	Matrix:	Page 1 of 6
1223FS606	Various	Concentrate	
Reported:	Started:	Received:	
01Dec2023	30Nov2023	30Nov2023	

Pesticides

Test ID: T000263381
Methods: TM17

(LC-QQ LC MS/MS)	**Dynamic Range** (ppb)	**Result** (ppb)		**Dynamic Range** (ppb)	**Result** (ppb)
Abamectin	385 - 3277	ND	Malathion	280 - 2762	ND
Acephate	43 - 2767	ND	Metalaxyl	46 - 2743	ND
Acetamiprid	42 - 2720	ND	Methiocarb	47 - 2707	ND
Azoxystrobin	44 - 2764	ND	Methomyl	44 - 2802	ND
Bifenazate	44 - 2711	ND	MGK 264 1	164 - 1610	ND
Boscalid	41 - 2623	ND	MGK 264 2	113 - 1089	ND
Carbaryl	43 - 2708	ND	Myclobutanil	17 - 2632	ND
Carbofuran	44 - 2682	ND	Naled	46 - 2642	ND
Chlorantraniliprole	50 - 2579	ND	Oxamyl	43 - 2793	ND
Chlorpyrifos	50 - 2781	ND	Paclobutrazol	48 - 2595	ND
Clofentezine	283 - 2691	ND	Permethrin	260 - 2759	ND
Diazinon	289 - 2727	ND	Phosmet	43 - 2585	ND
Dichlorvos	283 - 2752	ND	Prophos	303 - 2679	ND
Dimethoate	43 - 2726	ND	Propoxur	45 - 2707	ND
E-Fenpyroximate	286 - 2761	ND	Pyridaben	298 - 2830	ND
Etofenprox	43 - 2781	ND	Spinosad A	32 - 2128	ND
Etoxazole	287 - 2702	ND	Spinosad D	65 - 685	ND
Fenoxycarb	30 - 2714	ND	Spiromesifen	273 - 2747	ND
Fipronil	49 - 2636	ND	Spirotetramat	267 - 2754	ND
Flonicamid	43 - 2740	ND	Spiroxamine 1	16 - 1027	ND
Fludioxonil	315 - 2625	ND	Spiroxamine 2	28 - 1553	ND
Hexythiazox	42 - 2753	ND	Tebuconazole	286 - 2594	ND
Imazalil	263 - 2804	ND	Thiacloprid	43 - 2746	ND
Imidacloprid	43 - 2776	ND	Thiamethoxam	40 - 2752	ND
Kresoxim-methyl	45 - 2761	ND	Trifloxystrobin	46 - 2738	ND

Final Approval

Karen Winternheimer
01Dec2023
09:36:00 AM MST
PREPARED BY / DATE

Sam Smith
01Dec2023
09:42:00 AM MST
APPROVED BY / DATE

SC Labs®
Formerly Botanacor Labs

CERTIFICATE OF ANALYSIS

Prepared for:
Pet Releaf
8100 Southpark Way #A3
Littleton, CO USA 80120

600 mg - Stress Releaf

Batch ID or Lot Number:	Test, Test ID and Methods:	Matrix:	Page 2 of 6
1223FS606	Various	Concentrate	
Reported:	Started:	Received:	
01Dec2023	30Nov2023	30Nov2023	

Microbial Contaminants - Colorado Compliance

Test ID: T000263382
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

Brett Hudson
03Dec2023
10:56:00 AM MST
PREPARED BY / DATE

Eden Thompson-Wright
04Dec2023
09:37:00 AM MST
APPROVED BY / DATE

SC Labs®
Formerly Botanacor Labs

CERTIFICATE OF ANALYSIS

Prepared for:
Pet Releaf
8100 Southpark Way #A3
Littleton, CO USA 80120

600 mg - Stress Releaf

Batch ID or Lot Number:	Test, Test ID and Methods:	Matrix:	Page 4 of 6
1223FS606	Various	Concentrate	
Reported:	Started:	Received:	
01Dec2023	30Nov2023	30Nov2023	

Residual Solvents - Colorado Compliance

Test ID: T000263384
Methods: TM04 (GC-MS): Residual Solvents

	Dynamic Range (ppm)	**Result** (ppm)	**Notes**
Propane	79 - 1572	ND	
Butanes (Isobutane, n-Butane)	154 - 3073	ND	
Methanol	52 - 1047	ND	
Pentane	83 - 1668	ND	
Ethanol	87 - 1742	ND	
Acetone	89 - 1776	ND	
Isopropyl Alcohol	99 - 1972	ND	
Hexane	5 - 107	ND	
Ethyl Acetate	91 - 1813	ND	
Benzene	0.2 - 3.6	ND	
Heptanes	86 - 1729	ND	
Toluene	17 - 330	ND	
Xylenes (m,p,o-Xylenes)	121 - 2425	ND	

Final Approval

Karen Winternheimer
06Dec2023
12:42:00 PM MST
PREPARED BY / DATE

Sam Smith
06Dec2023
12:44:00 PM MST
APPROVED BY / DATE

SC Labs®
Formerly Botanacor Labs

CERTIFICATE OF ANALYSIS

Prepared for:
Pet Releaf
8100 Southpark Way #A3
Littleton, CO USA 80120

600 mg - Stress Releaf

Batch ID or Lot Number:	Test, Test ID and Methods:	Matrix:	
1223FS606	Various	Concentrate	
Reported:	Started:	Received:	
01Dec2023	30Nov2023	30Nov2023	

Heavy Metals - Colorado Compliance

Test ID: T000263383
Methods: TM19 (ICP-MS): Heavy Metals

	Dynamic Range (ppm)	**Result** (ppm)	**Notes**
Arsenic	0.05 - 4.61	ND	
Cadmium	0.05 - 4.52	ND	
Mercury	0.05 - 4.50	ND	
Lead	0.05 - 4.79	ND	

Final Approval


Sam Smith
06Dec2023
02:47:00 PM MST
PREPARED BY / DATE


Karen Winternheimer
06Dec2023
02:52:00 PM MST
APPROVED BY / DATE

Mycotoxins - Colorado Compliance

Test ID: T000263385
Methods: TM18 (UHPLC-QQQ LCMS/MS): Mycotoxins

	Dynamic Range (ppb)	**Result** (ppb)	**Notes**
Ochratoxin A	3.81 - 130.87	ND	N/A
Aflatoxin B1	1.03 - 33.01	ND	
Aflatoxin B2	0.94 - 33.46	ND	
Aflatoxin G1	1.03 - 33.33	ND	
Aflatoxin G2	1.10 - 33.91	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

Final Approval


Karen Winternheimer
07Dec2023
12:55:00 PM MST
PREPARED BY / DATE


Sam Smith
07Dec2023
12:56:00 PM MST
APPROVED BY / DATE

SC Labs®
Formerly Botanacor Labs

CERTIFICATE OF ANALYSIS

Prepared for:
Pet Releaf
8100 Southpark Way #A3
Littleton, CO USA 80120

600 mg - Stress Releaf

Batch ID or Lot Number:	Test, Test ID and Methods:	Matrix:	Page 6 of 6
1223FS606	Various	Concentrate	
Reported:	Started:	Received:	
01Dec2023	30Nov2023	30Nov2023	

Approved: Paul Gennings QC 12-01-23

https://results.botanacor.com/api/v1/coas/uuid/f8bb5b71-3851-4b32-ac34-2c0eed81f940

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.

Cert #4329.02
f8bb5b7138514b32ac342c0eed81f940.1