SC Labs®
Formerly Botanacor Labs

Official Compliance: Colorado

CERTIFICATE OF ANALYSIS

Prepared for:
PET RELEAF
8100 SOUTHPARK WAY A3
LITTLETON, CO USA 80120

Pet Releaf Sentesa 30mg caps

Batch ID or Lot Number:	Test:	Reported:	USDA License:
0523S203	**Potency**	**13Jun2023**	N/A
Matrix:	Test ID:	Started:	Sampler ID:
Unit	T000246420	13Jun2023	N/A
	Method(s): TM14 (HPLC-DAD): Potency – Standard Cannabinoid Analysis	Received: 13Jun2023	Status: Active

Cannabinoids

	LOD (mg)	**LOQ** (mg)	**Result** (mg)	**Result** (mg/g)	**Notes**
Cannabichromene (CBC)	0.028	0.089	0.847	1.51	# of Servings = 1 Sample Weight=0.562g
Cannabichromenic Acid (CBCA)	0.026	0.082	ND	ND	
Cannabidiol (CBD)	0.078	0.228	31.269	55.62	
Cannabidiolic Acid (CBDA)	0.080	0.234	ND	ND	
Cannabidivarin (CBDV)	0.018	0.054	<LOQ	<LOQ	
Cannabidivarinic Acid (CBDVA)	0.033	0.097	ND	ND	
Cannabigerol (CBG)	0.016	0.051	ND	ND	
Cannabigerolic Acid (CBGA)	0.067	0.212	ND	ND	
Cannabinol (CBN)	0.021	0.066	0.648	1.15	
Cannabinolic Acid (CBNA)	0.046	0.145	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.080	0.253	<LOQ	<LOQ	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.073	0.230	ND	ND	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.064	0.204	ND	ND	
Tetrahydrocannabivarin (THCV)	0.015	0.046	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.057	0.180	ND	ND	
Total Cannabinoids			**32.764**	**58.28**	
Total Potential THC			ND	ND	
Total Potential CBD			31.269	55.62	

Approved: Paul Gennings 06-13-2023 QA/QC

Final Approval

Sam Smith
13Jun2023
02:54:00 PM MDT

PREPARED BY / DATE

Karen Winternheimer
13Jun2023
02:55:00 PM MDT

APPROVED BY / DATE

https://results.botanacor.com/api/v1/coas/uuid/4717e4de-a0dc-4b5f-80dc-73cfa83d0058

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)).

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Pet Releaf Sentesa 30mg Caps

Batch ID or Lot Number:	Test, Test ID and Methods:	Matrix:	Page 1 of 7
0523S203	Various	Finished Product	
Reported:	Started:	Received:	
05Jun2023	01Jun2023	02Jun2023	

Pesticides

Test ID: T000245229
Methods: TM17

(LC-QQ LC MS/MS)	**Dynamic Range** (ppb)	**Result** (ppb)
Abamectin	259 - 2844	ND
Acephate	42 - 2785	ND
Acetamiprid	42 - 2735	ND
Azoxystrobin	46 - 2696	ND
Bifenazate	41 - 2719	ND
Boscalid	52 - 2649	ND
Carbaryl	41 - 2726	ND
Carbofuran	43 - 2710	ND
Chlorantraniliprole	41 - 2771	ND
Chlorpyrifos	51 - 2721	ND
Clofentezine	291 - 2751	ND
Diazinon	284 - 2724	ND
Dichlorvos	285 - 2789	ND
Dimethoate	44 - 2745	ND
E-Fenpyroximate	282 - 2714	ND
Etofenprox	42 - 2693	ND
Etoxazole	290 - 2686	ND
Fenoxycarb	13 - 2766	ND
Fipronil	28 - 2735	ND
Flonicamid	50 - 2822	ND
Fludioxonil	296 - 2655	ND
Hexythiazox	39 - 2714	ND
Imazalil	301 - 2741	ND
Imidacloprid	42 - 2778	ND
Kresoxim-methyl	52 - 2733	ND

	Dynamic Range (ppb)	**Result** (ppb)
Malathion	290 - 2732	ND
Metalaxyl	44 - 2731	ND
Methiocarb	43 - 2750	ND
Methomyl	42 - 2794	ND
MGK 264 1	180 - 1681	ND
MGK 264 2	114 - 1072	ND
Myclobutanil	41 - 2740	ND
Naled	49 - 2751	ND
Oxamyl	43 - 2776	ND
Paclobutrazol	45 - 2738	ND
Permethrin	262 - 2719	ND
Phosmet	39 - 2688	ND
Prophos	281 - 2732	ND
Propoxur	41 - 2716	ND
Pyridaben	289 - 2686	ND
Spinosad A	34 - 2079	ND
Spinosad D	63 - 656	ND
Spiromesifen	265 - 2700	ND
Spirotetramat	274 - 2738	ND
Spiroxamine 1	19 - 1212	ND
Spiroxamine 2	22 - 1523	ND
Tebuconazole	293 - 2735	ND
Thiacloprid	42 - 2724	ND
Thiamethoxam	40 - 2772	ND
Trifloxystrobin	43 - 2707	ND

Final Approval

Sam Smith
05Jun2023
11:12:00 AM MDT
PREPARED BY / DATE

Karen Winternheimer
05Jun2023
11:20:00 AM MDT
APPROVED BY / DATE

Approved: Paul Gennings 06-05-2023 QA/QC

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8100 SOUTHPARK WAY A3
LITTLETON, CO USA 80120

Pet Releaf Sentesa 30mg Caps

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05Jun2023	01Jun2023	02Jun2023	

Microbial Contaminants - Colorado Compliance

Test ID: T000245230
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

Eden Thompson-Wright
05Jun2023
02:45:00 PM MDT
PREPARED BY / DATE

Brianne Maillot
05Jun2023
03:53:00 PM MDT
APPROVED BY / DATE

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0523S203	Various	Finished Product	
Reported:	Started:	Received:	
05Jun2023	01Jun2023	02Jun2023	

Residual Solvents - Colorado Compliance

Test ID: T000245232
Methods: TM04 (GC-MS): Residual Solvents

	Dynamic Range (ppm)	**Result** (ppm)	**Notes**
Propane	99 - 1973	ND	
Butanes (Isobutane, n-Butane)	200 - 4005	ND	
Methanol	60 - 1199	ND	
Pentane	100 - 2000	ND	
Ethanol	100 - 2005	ND	
Acetone	97 - 1945	ND	
Isopropyl Alcohol	100 - 1990	ND	
Hexane	6 - 118	ND	
Ethyl Acetate	99 - 1973	ND	
Benzene	0.2 - 4.1	ND	
Heptanes	104 - 2084	ND	
Toluene	18 - 357	ND	
Xylenes (m,p,o-Xylenes)	131 - 2618	ND	

Final Approval

Samantha Smith
Sam Smith
06Jun2023
08:01:00 AM MDT
PREPARED BY / DATE

K Winternheimer
Karen Winternheimer
06Jun2023
08:01:00 AM MDT
APPROVED BY / DATE

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0523S203	Various	Finished Product	
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05Jun2023	01Jun2023	02Jun2023	

Mycotoxins - Colorado Compliance

Test ID: T000245233
Methods: TM18 (UHPLC-QQQ LCMS/MS): Mycotoxins

	Dynamic Range (ppb)	**Result** (ppb)	**Notes**
Ochratoxin A	2.10 - 175.48	ND	N/A
Aflatoxin B1	1.15 - 31.40	ND	
Aflatoxin B2	1.08 - 32.15	ND	
Aflatoxin G1	1.31 - 31.53	ND	
Aflatoxin G2	1.18 - 33.50	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

Final Approval

Sam Smith
08Jun2023
12:21:00 PM MDT
PREPARED BY / DATE

Karen Winternheimer
08Jun2023
12:25:00 PM MDT
APPROVED BY / DATE

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CERTIFICATE OF ANALYSIS

Prepared for:
PET RELEAF
8100 SOUTHPARK WAY A3
LITTLETON, CO USA 80120

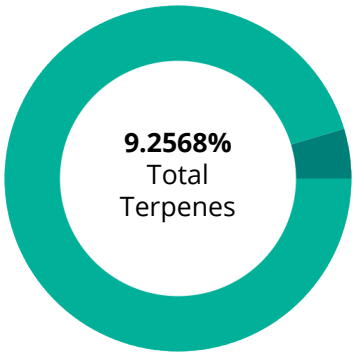
Pet Releaf Sentesa 30mg Caps

Batch ID or Lot Number:	Test, Test ID and Methods:	Matrix:	Page 6 of 7
0523S203	Various	Finished Product	
Reported:	Started:	Received:	
05Jun2023	01Jun2023	02Jun2023	

Terpenes

Test ID: T000245652

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	0.4303	4.303
alpha-Pinene	0.0000	0.0000
alpha-Terpinene	0.0000	0.0000
beta-Caryophyllene	8.8265	88.265
beta-Myrcene	0.0000	0.0000
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	0.0000	0.0000
Ocimene	0.0000	0.0000
p-Cymene	0.0000	0.0000
Terpinolene	0.0000	0.0000
trans-Nerolidol	0.0000	0.0000
	9.2568	**92.5680**



PREDOMINANT TERPENES

(-)-alpha-Bisabolol	0.0000
(-)-beta-Pinene	0.0000
alpha-Humulene	0.4303
alpha-Pinene	0.0000
alpha-Terpinene	0.0000
beta-Caryophyllene	8.8265
beta-Myrcene	0.0000
d-Limonene	0.0000
delta-3-Carene	0.0000
Linalool	0.0000

Notes

Final Approval

Karen Winternheimer
10Jun2023
10:45:00 AM MDT
PREPARED BY / DATE

Sam Smith
10Jun2023
10:47:00 AM MDT
APPROVED BY / DATE

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Pet Releaf Sentesa 30mg Caps

Batch ID or Lot Number:	Test, Test ID and Methods:	Matrix:	Page 7 of 7
0523S203	Various	Finished Product	
Reported:	Started:	Received:	
05Jun2023	01Jun2023	02Jun2023	

Approved: Paul Gennings 06-13-2023 QA/QC

https://results.botanacor.com/api/v1/coas/uuid/eb6318f8-acf1-4ccf-a3c3-942a5bb491f3

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
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eurofins | Food Integrity & Innovation

Report Number: 4105344-0
Report Date: 07-Jun-2023
Report Status: Final

Certificate of Analysis

[redacted]

Redacted for Confidential Information

Sample Name:	Pet Releaf Sentesa 30mg Capsules	Eurofins Sample:	12970346
Project ID	[redacted]	**Receipt Date**	01-Jun-2023
PO Number		**Receipt Condition**	Ambient temperature
Lot Number	0523S203	**Login Date**	25-May-2023
Sample Serving Size	1 Cap	**Date Started**	02-Jun-2023
		Sampled	Sample results apply as received
		Number Composited	20
		Online Order	17756-19326E78

Analysis	Result
Calculated Sample Weight *	
Entity Weight	0.5640 g
Entity Fill Weight	0.4540 g
Fatty Acids calculated as Triglycerides	
4:0 Butyric	<0.00014 g/Serving Size
6:0 Caproic	<0.00014 g/Serving Size
8:0 Caprylic	0.0337 g/Serving Size
10:0 Capric	<0.00014 g/Serving Size
12:0 Lauric	0.00213 g/Serving Size
14:0 Myristic	<0.00014 g/Serving Size
14:1 Myristoleic	<0.00014 g/Serving Size
15:0 Pentadecanoic	<0.00014 g/Serving Size
15:1 Pentadecenoic	<0.00014 g/Serving Size
16:0 Palmitic	0.00035 g/Serving Size
16:1 Palmitoleic	<0.00014 g/Serving Size
17:0 Heptadecanoic	<0.00014 g/Serving Size
17:1 Heptadecenoic	<0.00014 g/Serving Size
18:0 Stearic	<0.00014 g/Serving Size
18:1 Oleic	0.00138 g/Serving Size
Total 18:1 Isomers	0.00170 g/Serving Size
18:2 Linoleic	0.000481 g/Serving Size
18:3 Gamma Linolenic	<0.00014 g/Serving Size
18:3 Alpha Linolenic	0.00019 g/Serving Size
18:4 Octadecatetraenoic	<0.00014 g/Serving Size
20:0 Arachidic	<0.00014 g/Serving Size
20:1 Eicosenoic	<0.00014 g/Serving Size
20:2 Eicosadienoic	<0.00014 g/Serving Size
20:4 Arachidonic (n6)	<0.00014 g/Serving Size
20:4 Arachidonic (n3)	<0.00014 g/Serving Size
20:3 Eicosatrienoic	<0.00014 g/Serving Size
20:3 Homogamma Linolenic	<0.00014 g/Serving Size
20:5 Eicosapentaenoic	<0.00014 g/Serving Size

*** This analysis or component is not ISO accredited.**

Certificate of Analysis

[redacted]

Sample Name:	Pet Releaf Sentesa 30mg Capsules	Eurofins Sample:	12970346
Project ID	[redacted]	**Receipt Date**	01-Jun-2023
PO Number		**Receipt Condition**	Ambient temperature
Lot Number	0523S203	**Login Date**	25-May-2023
Sample Serving Size	1 Cap	**Date Started**	02-Jun-2023
		Sampled	Sample results apply as received
		Number Composited	20
		Online Order	17756-19326E78

Analysis	Result
Fatty Acids calculated as Triglycerides	
21:5 Heneicosapentaenoic	<0.00014 g/Serving Size
22:0 Behenic	<0.00014 g/Serving Size
22:1 Erucic	<0.00014 g/Serving Size
22:2 Docosadienoic	<0.00014 g/Serving Size
22:3 Docosatrienoic	<0.00014 g/Serving Size
22:4 Docosatetraenoic	<0.00014 g/Serving Size
22:5 Docosapentaenoic (n6)	<0.00014 g/Serving Size
22:5 Docosapentaenoic (n3)	<0.00014 g/Serving Size
24:0 Lignoceric	<0.00014 g/Serving Size
22:6 Docosahexaenoic	<0.00014 g/Serving Size
24:1 Nervonic	<0.00014 g/Serving Size
Saturated Fat	0.0333 g/Serving Size
Monounsaturated Fat, Cis and Trans Isomers	0.00163 g/Serving Size
Polyunsaturated Fat, Cis and Trans Isomers	0.000646 g/Serving Size
Omega 3 Fatty Acids	0.00019 g/Serving Size
Omega 6 Fatty Acids	0.000481 g/Serving Size
Sum of Fatty Acids	0.0386 g/Serving Size

Method References	Testing Location
Calculated Sample Weight (PREP)	**Food Integrity Innovation-Madison** 6304 Ronald Reagan Ave Madison, WI 53704 USA
Fatty Acids calculated as Triglycerides (FALC_S)	**Food Integrity Innovation-Madison** 6304 Ronald Reagan Ave Madison, WI 53704 USA

Official Methods and Recommended Practices of the AOCS, Official methods Ce 2b-11 (2011), Ce 1i-07, Ce 2-66 (2009),The American Oil Chemists' Society, Champaign, IL (modified).

*** This analysis or component is not ISO accredited.**

Certificate of Analysis

[redacted]

Testing Location(s)	Released on Behalf of Eurofins by
Food Integrity Innovation-Madison	**Edward Ladwig - President Eurofins Food Chemistry Testing Madison**

Eurofins Food Chemistry Testing Madison, Inc.
6304 Ronald Reagan Ave
Madison WI 53704
800-675-8375

2918.01

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Approved: Paul Gennings QA/QC 06-13-2023

*** This analysis or component is not ISO accredited.**