


Prepared for:

EV22.OTEWD.115
Pet Relief

Batch ID or Lot Number: N/A	Test: Residual Solvents	Reported: 3/2/22	Location: 8100 Southpark Way Ste. A3 Littleton, CO 80127
Matrix: N/A	Test ID: T000196011	Started: 3/2/22	USDA License: N/A
Status: N/A	Methods: TM04 (GC-MS): Residual Solvents	Received: 03/02/2022 @ 09:22 AM	Sampler ID: N/A

RESIDUAL SOLVENTS DETERMINATION

Solvent	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	78 - 1568	*ND	
Butanes (Isobutane, n-Butane)	150 - 3001	*ND	
Methanol	49 - 982	*ND	
Pentane	93 - 1865	*ND	
Ethanol	95 - 1909	*ND	
Acetone	103 - 2061	*ND	
Isopropyl Alcohol	109 - 2188	*ND	
Hexane	6 - 121	*ND	
Ethyl Acetate	97 - 1933	*ND	
Benzene	0.2 - 3.7	*ND	
Heptanes	98 - 1951	*ND	
Toluene	18 - 358	*ND	
Xylenes (m,p,o-Xylenes)	123 - 2456	*ND	

APPROVED

 Hannah Wright
 2-Mar-22
 6:03 PM

PREPARED BY / DATE


 Ryan Weems
 2-Mar-22
 6:06 PM

APPROVED BY / DATE

 Justin Thomson 03/29/2022
 NPD Quality Manger

Definitions

* ND = None Detected (Defined by Dynamic Range of the method)

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Certificate #4329.02

Prepared for:

EV22.OTEWD.115
Pet Releaf


Batch ID or Lot Number: N/A	Test: Metals	Reported: 3/4/22	Location: 8100 Southpark Way A3, Littleton, Co 80127
Matrix: Concentrate Co	Test ID: T000196010	Started: 3/3/22	USDA License: N/A
Status: N/A	Method: TM19 (ICP-MS): Heavy Metals	Received: 03/02/2022 @ 09:22 AM	Sampler ID: N/A

HEAVY METALS DETERMINATION


Compound	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.044 - 4.45	ND	
Cadmium	0.044 - 4.40	ND	
Mercury	0.044 - 4.40	ND	
Lead	0.043 - 4.26	ND	

APPROVED

 Justin Thomson 03/29/2022
 NPD Quality Manger


 Ryan Weems
 4-Mar-22
 11:35 AM

PREPARED BY / DATE


 Sam Smith
 4-Mar-22
 11:38 AM

APPROVED BY / DATE

Definitions

ND = None Detected (Defined by Dynamic Range of the method)

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Certificate #4329.02

Prepared for:

EV22.OTEWD.115
Pet Relief

Batch ID or Lot Number:	Test: Pesticides	Reported: 3/7/22	Location: 8100 Southpark Way A3, Littleton, Co 80127
Matrix: Concentrate	Test ID: T000196009	Started: 3/3/22	USDA License: N/A
Status: N/A	Method: TM17(LC-QQQ LC MS/MS):	Received: 03/02/2022 @ 09:22 AM	Sampler ID: N/A

PESTICIDE DETERMINATION

Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)
Acephate	46	ND	Fenoxycarb	43	ND	Paclobutrazol	48	ND
Acetamiprid	36	ND	Fipronil	29	ND	Permethrin	306	ND
Avermectin	289	ND	Flonicamid	43	ND	Phosmet	46	ND
Azoxystrobin	46	ND	Fludioxonil	291	ND	Prophos	257	ND
Bifenazate	42	ND	Hexythiazox	43	ND	Propoxur	41	ND
Boscalid	61	ND	Imazalil	254	ND	Pyridaben	297	ND
Carbaryl	40	ND	Imidacloprid	48	ND	Spinosad A	32	ND
Carbofuran	42	ND	Kresoxim-methyl	150	ND	Spinosad D	44	ND
Chlorantraniliprole	42	ND	Malathion	281	ND	Spiromesifen	272	ND
Chlorpyrifos	500	<LOQ	Metalaxyl	47	ND	Spirotetramat	310	ND
Clofentezine	296	ND	Methiocarb	43	ND	Spiroxamine 1	16	ND
Diazinon	275	ND	Methomyl	43	ND	Spiroxamine 2	22	ND
Dichlorvos	281	ND	MGK 264 1	181	ND	Tebuconazole	290	ND
Dimethoate	41	ND	MGK 264 2	131	ND	Thiacloprid	37	ND
E-Fenpyroximate	291	ND	Myclobutanil	42	ND	Thiamethoxam	43	ND
Etofenprox	44	ND	Naled	44	ND	Trifloxystrobin	44	ND
Etoxazole	294	ND	Oxamyl	1500	ND			

APPROVED

 Justin Thomson 03/29/2022
 NPD Quality Manger


 Daniel Weidensaul
 3/7/2022
 12:19:00 PM


 Sam Smith
 3/7/2022
 12:22:00 PM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

LOQ = Limit of Quantification

ppb = Parts per Billion

<LOQ as prescribed per COLORADO WHOLESALE FOOD, INDUSTRIAL HEMP, AND SHELLFISH REGULATIONS 6 CCR 1010-21.7.F.5.c

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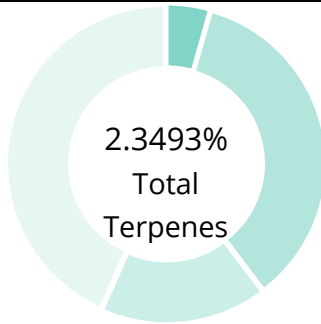


Certificate #4329.02

EV22.OTEWD.115

Batch ID:		Test ID:	T000196008
Type:	Concentrate	Submitted:	03/02/2022 @ 09:22 AM
Test:	Terpenes	Started:	3/4/2022
Method:	TM22 (GC-MS)	Reported:	3/7/2022

TERPENE PROFILE



Compound	%(w/w)	mg/g
(-)-alpha-Bisabolol	0.9876	9.876
Camphene	0.0000	0.000
delta-3-Carene	0.0000	0.000
beta-Caryophyllene	0.8043	8.043
(-)-Caryophyllene Oxide	0.0000	0.000
p-Cymene	0.0000	0.000
Eucalyptol	0.0000	0.000
Geraniol	0.0000	0.000
alpha-Humulene	0.3874	3.874
(-)-Isopulegol	0.0000	0.000
d-Limonene	0.1002	1.002
Linalool	0.0000	0.000
beta-Myrcene	0.0000	0.000
cis-Nerolidol	0.0000	0.000
trans-Nerolidol	0.0698	0.698
Ocimene	0.0000	0.000
beta-Ocimene	0.0000	0.000
alpha-Pinene	0.0000	0.000
(-)-beta-Pinene	0.0000	0.000
alpha-Terpinene	0.0000	0.000
gamma-Terpinene	0.0000	0.000
Terpinolene	0.0000	0.000
	2.3493	23.493

PREDOMINANT TERPENES


alpha-Pinene	0.0000
(-)-beta-Pinene	0.0000
beta-Myrcene	0.0000
delta-3-Carene	0.0000
alpha-Terpinene	0.0000
d-Limonene	0.1002
Linalool	0.0000
beta-Caryophyllene	0.8043
alpha-Humulene	0.3874
(-)-alpha-Bisabolol	0.9876


 NOTES:
 N/A

APPROVED

 Justin Thomson 03/29/2022
 NPD Quality Manger

FINAL APPROVAL


 Jacob Miller
 7-Mar-2022
 4:08 PM


 Daniel Weidensaul
 7-Mar-2022
 4:11 PM

PREPARED BY / DATE

APPROVED BY / DATE

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A2LA Certificate Number 4329.02



Certificate #4329.02

Prepared for:

EV22.OTEWD.115**Pet Releaf**

Batch ID or Lot Number: N/A	Test: Mycotoxins	Reported: 3/3/22	Location: 8100 Southpark Way A3, Littleton, Co 80127
Matrix: Concentrate	Test ID: T000196012	Started: 3/3/22	USDA License: N/A
Status: N/A	Method: TM18 (UHPLC-QQQ LCMS/MS): Mycotoxins	Received: 03/02/2022 @ 09:22 AM	Sampler ID: N/A

MYCOTOXIN DETERMINATION

Compound	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	2.7 - 128.9	ND	N/A
Aflatoxin B1	0.9 - 32.2	ND	
Aflatoxin B2	0.9 - 31.7	ND	
Aflatoxin G1	1 - 32.2	ND	
Aflatoxin G2	1.1 - 30.6	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

APPROVEDJustin Thomson 03/29/2022
NPD Quality MangerSam Smith
3-Mar-22
3:11 PMRyan Weems
3-Mar-22
3:14 PM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

ND = None Detected (Defined by Dynamic Range of the method)

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Certificate #4329.02

Prepared for:

EV22.OTEWD.115

Pet Releaf


Batch ID or Lot Number: N/A	Test: Potency	Reported: 3/4/22	Location: 8100 Southpark Way A3, Littleton, Co 80127
Matrix: Concentrate	Test ID: T000196007	Started: 3/3/22	USDA License: N/A
Status: N/A	Method: TM14 (HPLC-DAD): Potency - Standard Cannabinoid Analysis	Received: 03/02/2022 @ 09:22 AM	Sampler ID: N/A

CANNABINOID PROFILE

Compound	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)	Notes
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.084	0.296	ND	ND	N/A
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.095	0.334	2.274	22.74	
Cannabidiolic acid (CBDA)	0.119	0.373	ND	ND	
Cannabidiol (CBD)	0.116	0.364	53.918	539.18	
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.104	0.368	0.154*	1.54*	
Cannabinolic Acid (CBNA)	0.060	0.211	ND	ND	
Cannabinol (CBN)	0.027	0.096	0.303	3.03	
Cannabigerolic acid (CBGA)	0.088	0.309	ND	ND	
Cannabigerol (CBG)	0.021	0.074	2.931	29.31	
Tetrahydrocannabivarinic Acid (THCVA)	0.074	0.261	ND	ND	
Tetrahydrocannabivarin (THCV)	0.019	0.067	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.050	0.156	ND	ND	
Cannabidivarin (CBDV)	0.028	0.086	0.299	2.99	
Cannabichromenic Acid (CBCA)	0.034	0.119	ND	ND	
Cannabichromene (CBC)	0.037	0.130	2.765	27.65	
Total Cannabinoids			62.644	626.44	
Total Potential THC**			2.274	22.74	
Total Potential CBD**			53.918	539.18	


 Sam Smith
 04-Mar-2022
 12:35 PM

PREPARED BY / DATE


 Karen Winternheimer
 4-Mar-22
 12:38 PM

APPROVED BY / DATE

APPROVED

Justin Thomson 03/29/2022
NPD Quality Manger

Definitions

% = % (w/w) = Percent (Weight of Analyte / Weight of Product)

* Indicates a value below the Limit of Quantitation (LOQ) and above the Limit of Detection (LOD).

** Total Potential THC/CBD 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)) and

Total CBD = CBD + (CBDA *(0.877))

Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.

ND = None Detected (Defined by Dynamic Range of the method)

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CDPHE Certified



Certificate #4329.02

EV22.OTEWD.115

Batch ID:	N/A	Test ID:	T000196013
Matrix:	Concentrate	Received:	03/02/2022 @ 09:22 AM
Test:	Microbial Contaminants	Started:	3/2/2022
Methods:	TM25 (PCR) TM24, TM26, TM27 (Culture Plating)	Reported:	3/7/2022

MICROBIAL CONTAMINANTS

Contaminant	Method	LOD	Quantitation Range	Result
Total Yeast and Mold*	TM-24 Culture Plating	10 ¹ CFU/g	1.0x10 ² - 1.5x10 ⁴ CFU/g	None Detected
Total Aerobic Count*	TM-26 Culture Plating	10 ² CFU/g	1.0x10 ³ - 1.5x10 ⁵ CFU/g	None Detected
Total Coliforms*	TM-27 Culture Plating	10 ¹ CFU/g	1.0x10 ² - 1.5x10 ⁴ CFU/g	None Detected
STEC	TM-25 PCR	10 ⁰ CFU/g	N/A	Absent
Salmonella	TM-25 PCR	10 ⁰ CFU/g	N/A	Absent

* 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

NOTES:

Free from visual mold, mildew, and foreign matter

DEFINITIONS:

CFU/g = Colony Forming Units per gram | LOD = Limit of Detection | STEC = Shiga toxin-producing E. coli
 LLOQ = Lower Limit of Quantitation | ULOQ = Upper Limit of Quantitation

APPROVED

 Justin Thomson 03/29/2022
 NPD Quality Manger

FINAL APPROVAL

Brianne Maillot
 Brianne Maillot
 3/5/2022
 1:55:00 PM

Eden Thompson-Wright
 Eden Thompson-Wright
 3/7/2022
 9:00:00 AM

PREPARED BY / DATE

APPROVED BY / DATE

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Certificate #4329.03