



License No. 800025015  
 FL License # CMTL-0003  
 CLIA No. 10D1094068

# Certificate of Analysis

Compliance Test

**Pet.Releaf**

8100 South Park Way Unit A3  
 Littleton, CO 80120

Batch # 109E  
 Batch Date: 2021-12-01  
 Extracted From: Hemp

Test Reg State: Colorado

Order # PUL211201-030001  
 Order Date: 2021-12-01  
 Sample # AACF515

Sampling Date: 2021-12-02  
 Lab Batch Date: 2021-12-02  
 Completion Date: 2021-12-02

Initial Gross Weight: 248.287 g  
 Net Weight: 181.495 g

Number of Units: 2  
 Net Weight per Unit: 56699.000 mg



Product Image

Potency  
 Tested

Heavy Metals  
 Passed

Mycotoxins  
 Passed

Pesticides  
 Passed

Staphylococcus  
 Aureus  
 Passed

Microbiology  
 (qPCR)  
 Passed



**Potency - II**

Specimen Weight: 110.630 mg

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/g)	(%)
CBD	1000.000	0.000054	0.001	10.920	1.092
CBC	1000.000	0.000018	0.001	0.460	0.046
Delta-7-THC	1000.000	0.000015	0.001	0.370	0.037
CBG	1000.000	0.000248	0.001	0.200	0.020
CBN	1000.000	0.000014	0.001	<LOQ	<LOQ
Delta-8-THC	1000.000	0.000026	0.001	<LOQ	<LOQ
CBGA	1000.000	0.000008	0.001	<LOQ	<LOQ
THCV	1000.000	0.000007	0.001	<LOQ	<LOQ
CBDV	1000.000	0.000065	0.001	<LOQ	<LOQ
CBDA	1000.000	0.00001	0.001	<LOQ	<LOQ
THCA-A	1000.000	0.000032	0.001	<LOQ	<LOQ

**Tested**  
 (HPLC/LCMS)



**Potency Summary**

<b>0.039%</b> Total THC	22.113mg	<b>1.092%</b> Total CBD	619.153mg
<b>0.020%</b> Total CBG	11.340mg	<b>Total CBN</b>	None Detected
<b>0.046%</b> Other Cannabinoids	26.082mg	<b>Total Cannabinoids</b>	678.687mg

*Xueli Gao*  
 Xueli Gao Lab Toxicologist  
 Ph.D., DABT

*Aixia Sun*  
 Aixia Sun Lab Director/Principal Scientist  
 D.H.Sc., M.Sc., B.Sc., MT (AAB)



Definitions and Abbreviations used in this report: \*Total CBD = CBD + (CBD-A \* 0.877), \*Total CBDV = CBDV + (CBDVA \* 0.87), \*Total THC = THCA-A \* 0.877 + Delta 9 THC, \*Total THCV = THCV + (THCVA \* 0.87), \*CBG Total = (CBGA \* 0.877) + CBG, \*CBN Total = (CBNA \* 0.877) + CBN, \*Total CBC = CBC + (CBCA \* 0.877), \*Other Cannabinoids Total = Total Cannabinoids - All the listed cannabinoids on the summary section, \*Total Detected Cannabinoids = Delta8-THC + Total CBN + CBT + Delta8-THCV + Total CBG + Total CBD + Total THCV + CBL + Total THC + Total CBC + Total CBDV + Delta10-THC, \*Total THC-O-Acetate = Delta 8 THC-O-Acetate + THC-O-Acetate, \*Analyte Details above show the Dry Weight Concentrations unless specified as 12% moisture concentration. (mg/ml) = Milligrams per Milliliter, LOQ = Limit of Quantitation, LOD = Limit of Detection, Dilution = Dilution Factor (ppb) = Parts per Billion, (%) = Percent, (cfu/g) = Colony Forming Unit per Gram (cfu/g) = Colony Forming Unit per Gram, LOD = Limit of Detection, (µg/g) = Microgram per Gram (ppm) = Parts per Million, (ppm) = (µg/g), (aw) = aw (area ratio) = Area Ratio, (mg/Kg) = Milligram per Kilogram, \*Measurement of Uncertainty = +/- 10%

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<b>Order #</b> PUL211201-030001 <b>Order Date:</b> 2021-12-01 <b>Sample #</b> AACF515	<b>Sampling Date:</b> 2021-12-02 <b>Lab Batch Date:</b> 2021-12-02 <b>Completion Date:</b> 2021-12-07	<b>Initial Gross Weight:</b> 248.287 g <b>Number of Units:</b> 2 <b>Net Weight per Unit:</b> 56699.000 mg

## Heavy Metals - CO

Specimen Weight: 246.500 mg

Passed  
(ICP-MS)

Dilution Factor: 2.000

Analyte	LOQ (ppb)	Action Limit (ppb)	Result (ppb)	Analyte	LOQ (ppb)	Action Limit (ppb)	Result (ppb)
Arsenic (As)	100	1500	<LOQ	Cadmium (Cd)	100	500	<LOQ
Lead (Pb)	100	500	<LOQ	Mercury (Hg)	100	1500	<LOQ

## Mycotoxins - CO

Specimen Weight: 191.200 mg

Passed  
(LCMS)

Dilution Factor: 7.845

Analyte	LOQ (ppb)	Action Limit (ppb)	Result (ppb)	Analyte	LOQ (ppb)	Action Limit (ppb)	Result (ppb)
A atoxin B1	2.5	5	<LOQ	A atoxin Total	2.5	20	<LOQ
Ochratoxin A	3.5	5	<LOQ				

\*A atoxin Total = B1 + B2 + G1 + G2

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Test Reg State: Colorado

Order # PUL211201-030001  
Order Date: 2021-12-01  
Sample # AACF515

Sampling Date: 2021-12-02  
Lab Batch Date: 2021-12-02  
Completion Date: 2021-12-07

Initial Gross Weight: 248.287 g  
Net Weight: 181.495 g

Number of Units: 2  
Net Weight per Unit: 56699.000 mg

**Pesticides - CO (Limited)** **Passed**  
(LCMS/GCMS)

Specimen Weight: 191.200 mg

Dilution Factor: 7.845

Analyte	LOQ (ppb)	Action Limit (ppb)	Result (ppb)	Analyte	LOQ (ppb)	Action Limit (ppb)	Result (ppb)
Abamectin	9.1	250	<LOQ	Acephate	9.6	50	<LOQ
Acequinocyl	9.6	na	<LOQ	Acetamiprid	9.6	50	<LOQ
Aldicarb	9.6	500	<LOQ	Azoxystrobin	9.6	10	<LOQ
Bifenazate	9.6	10	<LOQ	Bifenthrin	9.6	na	<LOQ
Boscalid	9.6	10	<LOQ	Carbaryl	9.6	25	<LOQ
Carbofuran	9.6	10	<LOQ	Chlorantraniliprole	9.6	na	<LOQ
Chlorphenapyr	30	1500	<LOQ	Chlorpyrifos	9.6	500	<LOQ
Clofentezine	9.6	10	<LOQ	Cy uthrin	60	na	<LOQ
Cypermethrin	9.6	na	<LOQ	Daminozide	9.6	na	<LOQ
Diazinon	9.6	na	<LOQ	Dichlorvos	9.6	50	<LOQ
Dimethoate	9.6	10	<LOQ	Ethoprophos	9.6	10	<LOQ
Etofenprox	9.6	na	<LOQ	Etoxazole	9.6	na	<LOQ
Fenoxycarb	9.6	10	<LOQ	Fenpyroximate	9.6	na	<LOQ
Fipronil	9.6	10	<LOQ	Flonicamid	9.6	25	<LOQ
Fludioxonil	9.6	10	<LOQ	Hexythiazox	9.6	na	<LOQ
Imazalil	9.6	10	<LOQ	Imidacloprid	9.6	10	<LOQ
Kresoxim Methyl	9.6	150	<LOQ	Malathion	9.6	10	<LOQ
Metalaxyl	9.6	10	<LOQ	Methiocarb	9.6	10	<LOQ
Methomyl	9.6	25	<LOQ	methyl-Parathion	30	na	<LOQ
MGK-264	9.6	na	<LOQ	Myclobutanil	9.6	10	<LOQ
Naled	9.6	na	<LOQ	Oxamyl	9.6	1500	<LOQ
Paclbutrazol	9.6	10	<LOQ	Permethrin	9.6	na	<LOQ
Phosmet	9.6	na	<LOQ	Piperonylbutoxide	9.6	1250	<LOQ
Prallethrin	9.6	na	<LOQ	Propiconazole	9.6	na	<LOQ
Propoxur	9.6	10	<LOQ	Pyrethrins	5.3	na	<LOQ
Pyridaben	9.6	20	<LOQ	Spinosad	9.29	10	<LOQ
Spiromesifen	9.6	na	<LOQ	Spirotetramat	9.6	10	<LOQ
Spiroxamine	9.6	na	<LOQ	Tebuconazole	9.6	10	<LOQ
Thiacloprid	9.6	10	<LOQ	Thiamethoxam	9.6	10	<LOQ
Tri oxystrobin	9.6	10	<LOQ				

\* Not Available or Established

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**Staphylococcus Aureus** **Passed**  
(qPCR)  
Specimen Weight: 223.750 mg

Dilution Factor: 1.000

Analyte	Result
Staphylococcus aureus	Absence

**Microbiology (qPCR)** **Passed**  
(qPCR)  
Specimen Weight: 273.500 mg

Dilution Factor: 1.000

Analyte	Result	Analyte	Result
Total Aerobic Count	Passed	Total Coliform	Passed
Total Enterobacteriaceae	Passed	Total Yeast/Mold	Passed

**APPROVED**

Justin Thomson  
NPD Quality Manager  
12/03/2021

Xueli Gao Lab Toxicologist  
Ph.D., DABT

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