



CERTIFICATE OF ANALYSIS



Customer: Laurel Crest Capital, Inc - Seattle, WA 98177

Order #: 709054
Batch #: Pheg Oil Batch #2019-4651
Order Date: 11/14/2019
Collection Date: 11/14/2019
Report Date: 11/20/2019

Specimen Type: Extract
Description: 4 gram sample
Method: SOP-3

Initial Gross Weight: 18732.00(mg)
Specimen Weight: 54.08(mg)

Potency - 11

(HPLC)

| Analyte | Result (mg/g) | (%) | LOQ (%) | Analyte | Result (mg/g) | (%) | LOQ (%) | Analyte | Result (mg/g) | (%) | LOQ (%) |
|-----------|---------------|--------|---------|-------------|---------------|--------|---------|-------------|---------------|--------|---------|
| CBC | | ND | 0.001 | CBD | 599.700 | 59.970 | 0.001 | CBDA | | ND | 0.001 |
| CBDV | 128.300 | 12.830 | 0.001 | CBG | 16.320 | 1.632 | 0.001 | CBGA | 7.968 | 0.797 | 0.001 |
| CBN | | ND | 0.001 | Delta-8-THC | | ND | 0.001 | Delta-9-THC | 1.273 | 0.127 | 0.001 |
| THCA-A | | ND | 0.001 | THCV | 24.300 | 2.430 | 0.001 | Total CBD | 599.700 | 59.970 | 0.001 |
| Total THC | 1.273 | 0.127 | 0.001 | | | | | | | | |

Pesticides (Passed)

(LCMS/MS)

| Analyte | Action Level (ppb) | Result (ppb) | LOQ (ppb) | Analyte | Action Level (ppb) | Result (ppb) | LOQ (ppb) | Analyte | Action Level (ppb) | Result (ppb) | LOQ (ppb) |
|------------------|--------------------|--------------|-----------|------------------|--------------------|--------------|-----------|-------------------------|--------------------|--------------|-----------|
| Abamectin | 100.000 | <LOQ | 30.000 | Acephate | 100.000 | <LOQ | 30.000 | Acequinocyl | 100.000 | <LOQ | 48.000 |
| Acetamiprid | 100.000 | <LOQ | 30.000 | Aldicarb | 50.000 | <LOQ | 30.000 | Azoxystrobin | 50.000 | <LOQ | 30.000 |
| Bifenazate | 100.000 | <LOQ | 30.000 | Bifenthrin | 100.000 | <LOQ | 30.000 | Chlorfenapyr | 50.000 | <LOQ | 30.000 |
| Chlorpyrifos | 100.000 | <LOQ | 30.000 | Clofentezine | 200.000 | <LOQ | 30.000 | Coumaphos | 50.000 | <LOQ | 30.000 |
| Cyfluthrin | 100.000 | <LOQ | 30.000 | Cypermethrin | 500.000 | <LOQ | 30.000 | Daminozide | 500.000 | <LOQ | 30.000 |
| DDVP(Dichlorvos) | 100.000 | <LOQ | 30.000 | Diazinon | 50.000 | <LOQ | 30.000 | Dimethoate | 50.000 | <LOQ | 30.000 |
| Dimethomorph | 50.000 | <LOQ | 30.000 | Ethoprop(hos) | 50.000 | <LOQ | 30.000 | Etofenprox | 50.000 | <LOQ | 30.000 |
| Etoxazole | 50.000 | <LOQ | 30.000 | Fenhexamid | 100.000 | <LOQ | 30.000 | Fenoxycarb | 50.000 | <LOQ | 30.000 |
| Fipronil | 50.000 | <LOQ | 30.000 | Flonicamid | 400.000 | <LOQ | 30.000 | Fludioxonil | 100.000 | <LOQ | 30.000 |
| Hexythiazox | 250.000 | <LOQ | 30.000 | Imazalil | 100.000 | <LOQ | 30.000 | Imidacloprid | 100.000 | <LOQ | 30.000 |
| Kresoxim Methyl | 100.000 | <LOQ | 30.000 | Malathion A | 50.000 | <LOQ | 30.000 | Metalaxyl | 50.000 | <LOQ | 30.000 |
| Methiocarb | 50.000 | <LOQ | 30.000 | Methomyl | 100.000 | <LOQ | 30.000 | Mevinphos | 50.000 | <LOQ | 30.000 |
| Myclobutanil | 100.000 | <LOQ | 30.000 | Naled | 250.000 | <LOQ | 30.000 | Oxamyl | 250.000 | <LOQ | 30.000 |
| Paclobutrazol | 50.000 | <LOQ | 30.000 | Parathion-methyl | 100.000 | <LOQ | 30.000 | Pentachloronitrobenzene | 50.000 | <LOQ | 30.000 |
| Permethrin | 100.000 | <LOQ | 30.000 | Phosmet | 100.000 | <LOQ | 30.000 | Piperonylbutoxide | 3,000.000 | <LOQ | 30.000 |
| Prallethrin | 100.000 | <LOQ | 30.000 | Propiconazole | 100.000 | <LOQ | 30.000 | Propoxur | 100.000 | <LOQ | 30.000 |
| Pyrethrins | 500.000 | <LOQ | 30.000 | Pyrindaben | 200.000 | <LOQ | 30.000 | Spinetoram | 200.000 | <LOQ | 30.000 |
| Spinosyn A | 100.000 | <LOQ | 30.000 | Spinosyn D | 100.000 | <LOQ | 30.000 | Spiromesifen | 100.000 | <LOQ | 30.000 |
| Spirotetramat | 100.000 | <LOQ | 30.000 | Spiroxamine | 50.000 | <LOQ | 30.000 | Tebuconazole | 50.000 | <LOQ | 30.000 |
| Thiacloprid | 50.000 | <LOQ | 30.000 | Thiamethoxam | 50.000 | <LOQ | 30.000 | Trifloxystrobin | 100.000 | <LOQ | 30.000 |

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

Aixia Sun
Aixia Sun, D.H.Sc., M.Sc., B.Sc., MT (AAB)
Principal Scientist

* Total CBD = CBD + (CBD-A * 0.877). Total THC = THCA-A * 0.877 + Delta 9 THC, ND = <LOQ, T-Caryophyllene = Trans-Caryophyllene, <LOQ = Less Than Limit of Quantitation, QNS = Quantity Not Sufficient. (%) = Percent, (ppm) = Parts per Million, (ppb) = Parts per Billion, (µg/Kg) = Microgram per Kilogram, (mg/g) = Milligram per Gram, ppm = (µg/g), ppb = (µg/kg).

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CERTIFICATE OF ANALYSIS



Customer: Laurel Crest Capital, Inc - Seattle, WA 98177

Order #: 709054
Batch #: Pheg Oil Batch #2019-4651
Order Date: 11/14/2019
Collection Date: 11/14/2019
Report Date: 11/20/2019

Specimen Type: Extract
Description: 4 gram sample
Method: SOP-3

Initial Gross Weight: 18732.00(mg)
Specimen Weight: 54.08(mg)

Terpenes

| | | | | | | | | (GC/GCMS) | | | |
|---------------------|---------------|-----|---------|-----------------|---------------|-----|---------|-----------------|---------------|-----|---------|
| Analyte | Result (mg/g) | (%) | LOQ (%) | Analyte | Result (mg/g) | (%) | LOQ (%) | Analyte | Result (mg/g) | (%) | LOQ (%) |
| 3-Carene | ND | | 0.001 | Alpha-Bisabolol | ND | | 0.001 | Alpha-Pinene | ND | | 0.002 |
| Alpha-Terpinene | ND | | 0.001 | Alpha-Terpineol | ND | | 0.001 | Aromadendrene | ND | | 0.001 |
| Beta-Myrcene | ND | | 0.001 | Beta-Pinene | ND | | 0.001 | Camphene | ND | | 0.001 |
| Fenchol | ND | | 0.002 | Gamma-Terpinene | ND | | 0.001 | Gamma-Terpineol | ND | | 0.002 |
| Geraniol | ND | | 0.001 | Guaiol | ND | | 0.001 | Humulene | ND | | 0.001 |
| Isopulegol | ND | | 0.001 | Linalool | ND | | 0.001 | Nerolidol-1 | ND | | 0.001 |
| Nerolidol-2 | ND | | 0.001 | Ocimene-1 | ND | | 0.001 | Ocimene-2 | ND | | 0.001 |
| P-Cymene | ND | | 0.001 | R-Limonene | ND | | 0.000 | Terpinolene | ND | | 0.001 |
| Trans-Caryophyllene | ND | | 0.001 | | | | | | | | |

Residual Solvents (Passed)

| | | | | | | | | (GC/GCMS) | | | |
|-------------|--------------------|--------------|-----------|----------|--------------------|--------------|-----------|------------|--------------------|--------------|-----------|
| Analyte | Action Level (ppm) | Result (ppm) | LOQ (ppm) | Analyte | Action Level (ppm) | Result (ppm) | LOQ (ppm) | Analyte | Action Level (ppm) | Result (ppm) | LOQ (ppm) |
| Acetone | 5,000.000 | Passed | 87.900 | Benzene | 1.600 | <LOQ | 1.600 | Chloroform | 53.000 | <LOQ | 53.000 |
| Ethanol | 5,000.000 | <LOQ | 26.700 | Hexane | 60.000 | <LOQ | 36.600 | I-Butane | 5,000.000 | <LOQ | 100.000 |
| Isopropanol | 5,000.000 | <LOQ | 52.300 | Methanol | 3,000.000 | <LOQ | 87.900 | N-Butane | 5,000.000 | <LOQ | 200.000 |
| Pentane | 5,000.000 | <LOQ | 389.500 | Toluene | 890.000 | <LOQ | 38.400 | | | | |

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| | | |
|---|-----------------------------------|---|
| Order #: 709054 | Specimen Type: Extract | Initial Gross Weight: 18732.00(mg) |
| Batch #: Pheg Oil Batch #2019-4651 | Description: 4 gram sample | Specimen Weight: 54.08(mg) |
| Order Date: 11/14/2019 | Method: SOP-3 | |
| Collection Date: 11/14/2019 | | |
| Report Date: 11/20/2019 | | |

| Heavy Metals (Passed) | | | | (ICP-MS) | | | |
|-------------------------|--------------------|--------------|-----------|--------------|--------------------|--------------|-----------|
| Analyte | Action Level (ppb) | Result (ppb) | LOQ (ppb) | Analyte | Action Level (ppb) | Result (ppb) | LOQ (ppb) |
| Arsenic (As) | 500.000 | <LOQ | 100.000 | Cadmium (Cd) | 500.000 | <LOQ | 100.000 |
| Mercury (Hg) | 500.000 | <LOQ | 100.000 | Lead (Pb) | 500.000 | <LOQ | 100.000 |

| Mycotoxins (Passed) | | | | (LCMS/MS) | | | |
|-----------------------|--------------------|--------------|-----------|-----------------|--------------------|--------------|-----------|
| Analyte | Action Level (ppb) | Result (ppb) | LOQ (ppb) | Analyte | Action Level (ppb) | Result (ppb) | LOQ (ppb) |
| Aflatoxin B1 | | <LOQ | 6.000 | Aflatoxin B2 | | <LOQ | 6.000 |
| Aflatoxin G2 | | <LOQ | 6.000 | Aflatoxin Total | 20.000 | <LOQ | 6.000 |
| | | | | Ochratoxin A | 20.000 | <LOQ | 12.000 |


| Pathogenic (Passed) | | (qPCR) |
|-----------------------|--------|--------|
| Analyte | Result | |
| Listeria | Passed | |

| Water Activity (Passed) | | | (AquaLab 4TE) |
|---------------------------|-------------------|-------------|---------------|
| Analyte | Action Level (aw) | Result (aw) | |
| Water Activity | 0.850 | 0.276 | |

| Filt and Foreign Material (Passed) | | | | | | (Electronic Balance) | | |
|--------------------------------------|---------------------------|---------------------|---------|----------------------|----------------|----------------------|------------------|------------|
| Analyte | Action Level (area ratio) | Result (area ratio) | Analyte | Action Level (mg/Kg) | Result (mg/Kg) | Analyte | Action Level (%) | Result (%) |
| Covered Area | 0.250 | 0.000 | Feces | 0.500 | 0.000 | Weight % | 5.000 | 0.000 |

| Pathogenic Microbiology (qPCR) (Passed) | | | | | | (qPCR) |
|---|---------|------------|---------|---------|---------|--------|
| Analyte | Remark | Analyte | Remark | Analyte | Remark | |
| Aspergillus (Flavus, Fumigatus, Niger, Terreus) | Absence | Salmonella | Absence | STEC | Absence | |


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