



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

Certificate of Analysis

R&D

GramCo LLC
6986 US HWY 129 S
Jasper, Florida 32062

Batch # 01-0216-D8C-B2(new)
Batch Date: 2021-02-16
Extracted From: Hemp

Test Reg State: Florida

Order # H2P210223-030063
Order Date: 2021-02-23
Sample # AABA266

Sampling Date: 2021-02-25
Lab Batch Date: 2021-02-25
Completion Date: 2021-03-03

Initial Gross Weight: 1525.300 g



Product Image

Potency
Tested

Heavy Metals
Passed

2-3-Butanedione
Passed

Mycotoxins
Passed

Pesticides
Passed

Residual Solvents
Passed

Listeria Monocytogenes
Passed

Pathogenic
Passed

Vitamin E
Passed

Delta 8/Delta 10 Potency
12

Specimen Weight: 51.040 mg

| Analyte | Dilution (1:n) | LOD (%) | LOQ (%) | Result (mg/g) | (%) |
|--------------|----------------|----------|---------|---------------|--------|
| Delta-8 THC | 10.000 | 0.000026 | 0.001 | 930.000 | 93.000 |
| CBN | 10.000 | 0.000014 | 0.001 | 2.131 | 0.213 |
| Delta-10 THC | 10.000 | 0.000003 | 0.001 | 1.002 | 0.100 |
| CBC | 10.000 | 0.000018 | 0.001 | 0.335 | 0.034 |
| THCA-A | 10.000 | 0.000032 | 0.001 | | <LOQ |
| THCV | 10.000 | 0.000007 | 0.001 | | <LOQ |
| CBD | 10.000 | 0.000054 | 0.001 | | <LOQ |
| CBGA | 10.000 | 0.000008 | 0.001 | | <LOQ |
| CBG | 10.000 | 0.000248 | 0.001 | | <LOQ |
| Delta-9 THC | 10.000 | 0.000013 | 0.001 | | <LOQ |
| CBDV | 10.000 | 0.000065 | 0.001 | | <LOQ |
| CBDA | 10.000 | 0.00001 | 0.001 | | <LOQ |

Tested
(LCUV)

Potency Summary

| | |
|-------------------------------|-------------------------------|
| Total THC None Detected | Total CBD None Detected |
| Total CBG None Detected | Total CBN 0.213% |
| Other Cannabinoids 93.134% | Total Cannabinoids 93.347% |

Xueli Gao
Ph.D., DABT
Lab Toxicologist

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



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Initial Gross Weight: 1525.300 g

H Heavy Metals Passed (ICP-MS)

Specimen Weight: 246.000 mg
Dilution Factor: 2.000

| Analyte | LOQ (ppb) | Action Level (ppb) | Result (ppb) | Analyte | LOQ (ppb) | Action Level (ppb) | Result (ppb) |
|---|-----------|--------------------|--------------|--------------|-----------|--------------------|--------------|
| Arsenic (As) | 100 | 1500 | <LOQ | Cadmium (Cd) | 100 | 500 | <LOQ |
| Lead (Pb) | 100 | 500 | <LOQ | Mercury (Hg) | 100 | 3000 | <LOQ |
| Total Contaminant Load (TCL) None Detected | | | | | | | |

2,3-butanedione(Diacetyl) Passed (GCMS)

Specimen Weight: N/A Dilution Factor: 1.000

| Analyte | LOQ (ppm) | Result (ppm) |
|-----------------|-----------|--------------|
| 2,3-Butanedione | 0.024 | <LOQ |

Mycotoxins Passed (LCMS)

Specimen Weight: 161.440 mg
Dilution Factor: 9.291

| Analyte | LOQ (ppb) | Action Level (ppb) | Result (ppb) | Analyte | LOQ (ppb) | Action Level (ppb) | Result (ppb) |
|--------------|-----------|--------------------|--------------|--------------|-----------|--------------------|--------------|
| Aflatoxin B1 | 6 | 20 | <LOQ | Aflatoxin B2 | 6 | 20 | <LOQ |
| Aflatoxin G1 | 6 | 20 | <LOQ | Aflatoxin G2 | 6 | 20 | <LOQ |
| Ochratoxin A | 12 | 20 | <LOQ | | | | |

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Lab Toxicologist

Aixia Sun
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Completion Date: 2021-03-03

Initial Gross Weight: 1525.300 g

Pesticides FL V4 **Passed**
(LCMS/GCMS)
Specimen Weight: 161.440 mg
Dilution Factor: 9.291

| Analyte | LOQ (ppb) | Action Level (ppb) | Result (ppb) | Analyte | LOQ (ppb) | Action Level (ppb) | Result (ppb) |
|---------------------|-----------|--------------------|--------------|------------------------------|---------------|--------------------|--------------|
| Abamectin | 28.23 | 300 | <LOQ | Acephate | 30 | 3000 | <LOQ |
| Acequinocyl | 48 | 2000 | <LOQ | Acetamiprid | 30 | 3000 | <LOQ |
| Aldicarb | 30 | 100 | <LOQ | Azoxystrobin | 10 | 3000 | <LOQ |
| Bifenazate | 30 | 3000 | <LOQ | Bifenthrin | 30 | 500 | <LOQ |
| Boscalid | 10 | 3000 | <LOQ | Captan | 30 | 3000 | <LOQ |
| Carbaryl | 10 | 500 | <LOQ | Carbofuran | 10 | 100 | <LOQ |
| Chlorantraniliprole | 10 | 3000 | <LOQ | Chlordane | 10 | 100 | <LOQ |
| Chlorfenapyr | 30 | 100 | <LOQ | Chloromequat Chloride | 10 | 3000 | <LOQ |
| Chlorpyrifos | 30 | 100 | <LOQ | Clofentezine | 30 | 500 | <LOQ |
| Coumaphos | 48 | 100 | <LOQ | Cyfluthrin | 30 | 1000 | <LOQ |
| Cypermethrin | 30 | 1000 | <LOQ | Daminozide | 30 | 100 | <LOQ |
| Diazinon | 30 | 200 | <LOQ | Dichlorvos | 30 | 100 | <LOQ |
| Dimethoate | 30 | 100 | <LOQ | Dimethomorph | 48 | 3000 | <LOQ |
| Ethoprophos | 30 | 100 | <LOQ | Etofenprox | 30 | 100 | <LOQ |
| Etoxazole | 30 | 1500 | <LOQ | Fenhexamid | 10 | 3000 | <LOQ |
| Fenoxycarb | 30 | 100 | <LOQ | Fenpyroximate | 30 | 2000 | <LOQ |
| Fipronil | 30 | 100 | <LOQ | Fonicamid | 30 | 2000 | <LOQ |
| Fludioxonil | 48 | 3000 | <LOQ | Hexythiazox | 30 | 2000 | <LOQ |
| Imazalil | 30 | 100 | <LOQ | Imidacloprid | 30 | 3000 | <LOQ |
| Kresoxim Methyl | 30 | 1000 | <LOQ | Malathion | 30 | 2000 | <LOQ |
| Metalaxyl | 10 | 3000 | <LOQ | Methiocarb | 30 | 100 | <LOQ |
| Methomyl | 30 | 100 | <LOQ | methyl-Parathion | 10 | 100 | <LOQ |
| Mevinphos | 10 | 100 | <LOQ | Myclobutanil | 30 | 3000 | <LOQ |
| Naled | 30 | 500 | <LOQ | Oxamyl | 30 | 500 | <LOQ |
| Paclotrazol | 30 | 100 | <LOQ | Pentachloronitrobenzene | 10 | 200 | <LOQ |
| Permethrin | 30 | 1000 | <LOQ | Phosmet | 30 | 200 | <LOQ |
| Piperonylbutoxide | 30 | 3000 | <LOQ | Prallethrin | 30 | 400 | <LOQ |
| Propiconazole | 30 | 1000 | <LOQ | Propoxur | 30 | 100 | <LOQ |
| Pyrethrins | 30 | 1000 | <LOQ | Pyridaben | 30 | 3000 | <LOQ |
| Spinetoram | 10 | 3000 | <LOQ | Spinosad | 30 | 3000 | <LOQ |
| Spiromesifen | 30 | 3000 | <LOQ | Spirotetramat | 30 | 3000 | <LOQ |
| Spiroxamine | 30 | 100 | <LOQ | Tebuconazole | 30 | 1000 | <LOQ |
| Thiacloprid | 30 | 100 | <LOQ | Thiamethoxam | 30 | 1000 | <LOQ |
| Trifloxystrobin | 30 | 3000 | <LOQ | Total Contaminant Load (TCL) | None Detected | | |

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Initial Gross Weight: 1525.300 g

Residual Solvents - FL (CBD) **Passed**
(GCMS)

Specimen Weight: 105.500 mg
Dilution Factor: 1.000

| Analyte | LOQ (ppm) | Action Level (ppm) | Result (ppm) | Analyte | LOQ (ppm) | Action Level (ppm) | Result (ppm) |
|--------------------|-----------|--------------------|--------------|--------------------|-----------|--------------------|--------------|
| 1,1-Dichloroethane | 0.16 | 8 | <LOQ | 1,2-Dichloroethane | 0.04 | 5 | <LOQ |
| Acetone | 2.08 | 5000 | <LOQ | Acetonitrile | 1.17 | 410 | <LOQ |
| Benzene | 0.02 | 2 | <LOQ | Butanes | 2.5 | 2000 | <LOQ |
| Chloroform | 0.04 | 60 | <LOQ | Ethanol | 2.78 | 5000 | <LOQ |
| Ethyl Acetate | 1.11 | 5000 | <LOQ | Ethyl Ether | 1.39 | 5000 | <LOQ |
| Ethylene Oxide | 0.1 | 5 | <LOQ | Heptane | 1.39 | 5000 | <LOQ |
| Hexane | 1.17 | 290 | <LOQ | Isopropyl alcohol | 1.39 | 500 | <LOQ |
| Methanol | 0.69 | 3000 | <LOQ | Methylene chloride | 2.43 | 600 | <LOQ |
| Pentane | 2.08 | 5000 | <LOQ | Propane | 5.83 | 2100 | <LOQ |
| Toluene | 2.92 | 890 | <LOQ | Total Xylenes | 2.92 | 2170 | <LOQ |
| Trichloroethylene | 0.49 | 80 | <LOQ | | | | |

Listeria Monocytogenes **Passed**
(qPCR)

Specimen Weight: 975.310 mg
Dilution Factor: 1.000

| Analyte | Action Level (cfu/g) | Result |
|------------------------|----------------------|---------------|
| Listeria Monocytogenes | 1 | Absence in 1g |

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Pathogenic SAE (qPCR) **Passed**
(qPCR)

Dilution Factor: 1.000

Specimen Weight: 226.700 mg

| Analyte | Action Level (cfu/g) | Result (cfu/g) | Analyte | Action Level (cfu/g) | Result (cfu/g) |
|---|----------------------|----------------|------------|----------------------|----------------|
| Aspergillus (Flavus, Fumigatus, Niger, Terreus) | 1 | Absence in 1g | E.Coli | 1 | Absence in 1g |
| | | | Salmonella | 1 | Absence in 1g |

Vitamin E (Tocopheryl Acetate) **Passed**
(LC-MS)

Specimen Weight: N/A

| Analyte | LOQ (ppb) | Result (ppb) |
|-------------------|-----------|--------------|
| Vitamin E Acetate | 10 | <LOQ |

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