

Certificate of Analysis

Compliance Test


Batch # 001 Test Reg State: Florida
Batch Date: 2021-07-15
Extracted From: HEMP

Order # TOP210715-030041 Sampling Date: 2021-07-17 Initial Gross Weight: 7.089 g Number of Units: 1
Order Date: 2021-07-15 Lab Batch Date: 2021-07-17 Net Weight: 4.404 g Net Weight per Unit: 4404.000 mg
Sample # AABQ228 Completion Date: 2021-07-26

 Potency
Tested




Product Image

 **Delta 8/Delta 10
Potency 12**


Specimen Weight: 1509.700 mg

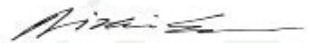
| Analyte | Dilution (1:n) | LOD (%) | LOQ (%) | Result (mg/g) | (%) |
|--------------|----------------|----------|---------|---------------|-------|
| Delta-8 THC | 1000.000 | 0.000026 | 0.001 | 6.760 | 0.676 |
| Delta-10 THC | 1000.000 | 0.000003 | 0.001 | <LOQ | <LOQ |
| Delta-9 THC | 1000.000 | 0.000013 | 0.001 | <LOQ | <LOQ |
| CBC | 1000.000 | 0.000018 | 0.001 | <LOQ | <LOQ |
| CBD | 1000.000 | 0.000054 | 0.001 | <LOQ | <LOQ |
| THCV | 1000.000 | 0.000007 | 0.001 | <LOQ | <LOQ |
| THCA-A | 1000.000 | 0.000032 | 0.001 | <LOQ | <LOQ |
| CBN | 1000.000 | 0.000014 | 0.001 | <LOQ | <LOQ |
| CBGA | 1000.000 | 0.000008 | 0.001 | <LOQ | <LOQ |
| CBG | 1000.000 | 0.000248 | 0.001 | <LOQ | <LOQ |
| CBDV | 1000.000 | 0.000065 | 0.001 | <LOQ | <LOQ |
| CBDa | 1000.000 | 0.00001 | 0.001 | <LOQ | <LOQ |

Tested
(LCUV)

 **Potency Summary**

| | |
|--|--|
| Total Delta 8 0.676% 29.771mg | Total Delta 10 None Detected |
| Total THC None Detected | Total CBD None Detected |
| Total CBG None Detected | Total CBN None Detected |
| Other Cannabinoids None Detected | Total Cannabinoids 0.676% 29.771mg |


Xueli Gao Lab Toxicologist
Ph.D., DABT


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



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Certificate of Analysis

R&D

| | |
|--|--|
| Batch # 004 Batch Date: 2021-05-20 Extracted From: Hemp | Test Reg State: Florida |
| Order # H2P210520-010032 Order Date: 2021-05-20 Sample # AABJ625 | Sampling Date: 2021-05-21 Lab Batch Date: 2021-05-21 Completion Date: 2021-06-02 |
| Initial Gross Weight: 25.107 g | |



Heavy Metals

Passed
(ICP-MS)

Specimen Weight: 248.360 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 |



2,3-butanedione(Diacetyl)

Passed
(GCMS)

Specimen Weight: 9.300 mg

Dilution Factor: 1.000

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



Mycotoxins

Passed
(LCMS)

Specimen Weight: 167.700 mg

| 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 | | | | |

Xueli Gao
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Ph.D., DABT
Lab Toxicologist

Aixia Sun
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D.H.Sc., M.Sc., B.Sc., MT (AAB)
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CLIA No. 10D1094068

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| Batch Date: 2021-05-20 | |
| Extracted From: Hemp | |
| Order # H2P210520-010032 | Initial Gross Weight: 25.107 g |
| Order Date: 2021-05-20 | Sampling Date: 2021-05-21 |
| Sample # AABJ625 | Lab Batch Date: 2021-05-21 |
| | Completion Date: 2021-06-02 |



Pesticides FL V4

Passed
(LCMS/GCMS)

Specimen Weight: 167.700 mg

| 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 | Chlormequat Chloride | 10 | 3000 | <LOQ |
| Chlorpyrifos | 30 | 100 | <LOQ | Clofentazine | 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 |
| Metaxyl | 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 |
| Paclobutrazol | 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 |
| Siproxamine | 30 | 100 | <LOQ | Tebuconazole | 30 | 1000 | <LOQ |
| Thiacloprid | 30 | 100 | <LOQ | Thiamethoxam | 30 | 1000 | <LOQ |
| Trifloxystrobin | 30 | 3000 | <LOQ | | | | |

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| Batch # 004 | Test Reg State: Florida |
| Batch Date: 2021-05-20 | |
| Extracted From: Hemp | |
| Order # H2P210520-010032 | Initial Gross Weight: 25.107 g |
| Order Date: 2021-05-20 | Sampling Date: 2021-05-21 |
| Sample # AABJ625 | Lab Batch Date: 2021-05-21 |
| | Completion Date: 2021-06-02 |



Residual Solvents - FL (CBD)

Passed
(GCMS)

Specimen Weight: 9.300 mg

Dilution Factor: 1.000

| Analyte | LOQ (ppm) | Action Level (ppm) | Result (ppm) | Analyte | LOQ (ppm) | Action Level (ppm) | Result (ppm) |
|--------------------|-----------|--------------------|--------------|--------------------|-----------|--------------------|--------------|
| 1,1-Dichloroethene | 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 | | | | |

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 R&D

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| Batch # 004 | Test Reg State: Florida |
| Batch Date: 2021-05-20 | |
| Extracted From: Hemp | |
| Order # H2P210520-010032 | Initial Gross Weight: 25.107 g |
| Order Date: 2021-05-20 | Sampling Date: 2021-05-21 |
| Sample # AABJ625 | Lab Batch Date: 2021-05-21 |
| | Completion Date: 2021-06-02 |



Pathogenic Microbiology SAE (MicroArray)

Passed
 (Micro Array)

Specimen Weight: 1038.800 mg

Dilution Factor: 1.000

| Analyte | Result (cfu/g) | Analyte | Result (cfu/g) |
|--------------------|----------------|-----------------------|----------------|
| Aspergillus flavus | Absence in 1g | Aspergillus fumigatus | Absence in 1g |
| Aspergillus niger | Absence in 1g | Aspergillus terreus | Absence in 1g |
| Salmonella | Absence in 1g | STEC E. Coli | Absence in 1g |



Listeria Monocytogenes

Passed
 (qPCR)

Specimen Weight: 984.750 mg

Dilution Factor: 1.000

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

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| Order # H2P210520-010032 Order Date: 2021-05-20 Sample # AABJ625 | Sampling Date: 2021-05-21 Lab Batch Date: 2021-05-21 Completion Date: 2021-06-02 |
| | Initial Gross Weight: 25.107 g |

E **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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Blue Paradise D8 40mg Chew

Sample ID: 2105CSALA5479.3674

Matrix: Ingestible

Type: Solid Product

Sample Size: 1 units

Batch Size:

Batch#: BP005140

Produced: 04/28/2021

Collected: 05/10/2021

Received: 05/10/2021

Completed: 05/13/2021


Client

Hemp Oil Distro

Lic. #

1151 W Hackley Ave

Norton Shores, MI 49441

| | | | |
|---|---|---|---|
|  | <p style="text-align: center;">0.8350 mg/serving</p> <p style="text-align: center;">Total THC</p> | <p style="text-align: center;">ND</p> <p style="text-align: center;">Total CBD</p> | <p style="text-align: center;">43.0529 mg/serving</p> <p style="text-align: center;">Total Cannabinoids</p> |
|---|---|---|---|

Cannabinoids

Testing method: HPLC-SOP 101

| Analyte | LOD | LOQ | Results | Results |
|---------|--------|--------|------------|---------|
| | mg/g | mg/g | mg/serving | mg/g |
| Δ8-THC | 0.0027 | 0.003 | 42.0336 | 9.4458 |
| Δ9-THC | 0.0025 | 0.003 | 0.8350 | 0.1876 |
| CBN | 0.003 | 0.003 | 0.1212 | 0.0272 |
| CBDV | 0.0025 | 0.003 | 0.0632 | 0.0142 |
| CBC | 0.0026 | 0.003 | ND | ND |
| CBCA | 0.0027 | 0.003 | ND | ND |
| CBD | 0.0021 | 0.003 | ND | ND |
| CBDa | 0.0016 | 0.003 | ND | ND |
| CBDVA | 0.0029 | 0.003 | ND | ND |
| CBG | 0.0028 | 0.003 | ND | ND |
| CBGa | 0.0023 | 0.003 | ND | ND |
| CBT | 0.0025 | 0.0118 | ND | ND |
| THCa | 0.0022 | 0.003 | ND | ND |
| THCV | 0.0029 | 0.003 | ND | ND |
| THCVA | 0.0029 | 0.003 | ND | ND |

Pass

1 serving = 1 Gummy, 4.45 grams; 2.0 servings per package; 1.67 mg/package Total THC; 0.0 mg/package Total CBD;

Date Tested: 05/11/2021

Total THC = THCa * 0.877 + d9-THC

Total CBD = CBDa * 0.877 + CBD

LOQ = Limit of Quantitation; LOD = Limit of Detection; NT = Not Tested; ND = Not Detected.


 ISO / IEC 17025:2017 ACCREDITED
 LABORATORY
 Accreditation No. 73653



 Neya Jourabchian
 Laboratory Director
 05/13/2021

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Certificate of Analysis

R&D

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|--------------|-----------|--------------------|--------------|--------------|-----------|--------------------|--------------|
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2,3-butanedione(Diacetyl)

Passed
(GCMS)

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Dilution Factor: 1.000

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|-----------------|-----------|--------------|
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Passed
(LCMS)

Specimen Weight: 167.700 mg

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

Certificate of Analysis
 R&D

| | |
|---------------------------------|---------------------------------------|
| Batch # 004 | Test Reg State: Florida |
| Batch Date: 2021-05-20 | |
| Extracted From: Hemp | |
| Order # H2P210520-010032 | Initial Gross Weight: 25.107 g |
| Order Date: 2021-05-20 | Sampling Date: 2021-05-21 |
| Sample # AABJ625 | Lab Batch Date: 2021-05-21 |
| | Completion Date: 2021-06-02 |



Pesticides FL V4

Passed
 (LCMS/GCMS)

Specimen Weight: 167.700 mg

| 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 | Chlormequat Chloride | 10 | 3000 | <LOQ |
| Chlorpyrifos | 30 | 100 | <LOQ | Clofentazine | 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 |
| Metaxyl | 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 |
| Paclobutrazol | 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 |
| Sproxamine | 30 | 100 | <LOQ | Tebuconazole | 30 | 1000 | <LOQ |
| Thiacloprid | 30 | 100 | <LOQ | Thiamethoxam | 30 | 1000 | <LOQ |
| Trifloxystrobin | 30 | 3000 | <LOQ | | | | |

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Certificate of Analysis

R&D

| | |
|---------------------------------|---------------------------------------|
| Batch # 004 | Test Reg State: Florida |
| Batch Date: 2021-05-20 | |
| Extracted From: Hemp | |
| Order # H2P210520-010032 | Initial Gross Weight: 25.107 g |
| Order Date: 2021-05-20 | Sampling Date: 2021-05-21 |
| Sample # AABJ625 | Lab Batch Date: 2021-05-21 |
| | Completion Date: 2021-06-02 |



Residual Solvents - FL (CBD)

Passed
(GCMS)

Specimen Weight: 9.300 mg

Dilution Factor: 1.000

| Analyte | LOQ (ppm) | Action Level (ppm) | Result (ppm) | Analyte | LOQ (ppm) | Action Level (ppm) | Result (ppm) |
|--------------------|-----------|--------------------|--------------|--------------------|-----------|--------------------|--------------|
| 1,1-Dichloroethene | 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 | | | | |

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Aixia Sun
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Certificate of Analysis

R&D

| | |
|--|--------------------------------|
| Batch # 004 Batch Date: 2021-05-20 Extracted From: Hemp | Test Reg State: Florida |
| Order # H2P210520-010032 Order Date: 2021-05-20 Sample # AABJ625 | Initial Gross Weight: 25.107 g |
| Sampling Date: 2021-05-21 Lab Batch Date: 2021-05-21 Completion Date: 2021-06-02 | |



Pathogenic Microbiology SAE (MicroArray)

Passed
(Micro Array)

Specimen Weight: 1038.800 mg

Dilution Factor: 1.000

| Analyte | Result (cfu/g) | Analyte | Result (cfu/g) |
|--------------------|----------------|-----------------------|----------------|
| Aspergillus flavus | Absence in 1g | Aspergillus fumigatus | Absence in 1g |
| Aspergillus niger | Absence in 1g | Aspergillus terreus | Absence in 1g |
| Salmonella | Absence in 1g | STEC E. Coli | Absence in 1g |



Listeria Monocytogenes

Passed
(qPCR)

Specimen Weight: 984.750 mg

Dilution Factor: 1.000

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

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| Batch # 004 Batch Date: 2021-05-20 Extracted From: Hemp | Test Reg State: Florida |
| Order # H2P210520-010032 Order Date: 2021-05-20 Sample # AABJ625 | Initial Gross Weight: 25.107 g |
| Sampling Date: 2021-05-21 Lab Batch Date: 2021-05-21 Completion Date: 2021-06-02 | |



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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Certificate of Analysis

Compliance Test

Batch # OC-002
Batch Date: 2022-07-05
Extracted From: Hemp

Test Reg State: Oregon

Order # TOP220705-010001
Order Date: 2022-07-05
Sample # AADE8429

Sampling Date: 2022-07-07
Lab Batch Date: 2022-07-07
Completion Date: 2022-07-12

Initial Gross Weight: 25.833 g
Net Weight: 20.333 g

Number of Units: 1
Net Weight per Unit: 4066.600 mg



Product Image

Potency
Tested

Heavy Metals
Passed

Pesticides
Passed

Residual
Solvents
Passed

Microbiology
Petrifilm
Tested



Delta 8/Delta 10 Potency

12

Specimen Weight: 1529.100 mg

Tested
(LCUV)



Potency Summary

| | |
|-------------------------------------|--|
| Total Delta 8 0.855% | Total Delta 10 None Detected |
| Total THC None Detected | Total CBD None Detected |
| Total CBG None Detected | Total CBN 0.002% 0.333mg |
| Other Cannabinoids None Detected | Total Cannabinoids 0.856% 142.413mg |

Pieces For Panel: 4

| Analyte | Dilution (1:n) | LOD (%) | LOQ (%) | Result (mg/g) | (%) |
|--------------|----------------|----------|---------|---------------|-------|
| Delta-8 THC | 1000.000 | 0.000026 | 0.001 | 8.547 | 0.855 |
| CBN | 10.000 | 0.000014 | 0.001 | 0.017 | 0.002 |
| Delta-10 THC | 1000.000 | 0.000003 | 0.001 | | <LOQ |
| Delta-9 THC | 10.000 | 0.000013 | 0.001 | | <LOQ |
| CBC | 10.000 | 0.000018 | 0.001 | | <LOQ |
| CBD | 10.000 | 0.000054 | 0.001 | | <LOQ |
| THCV | 10.000 | 0.000007 | 0.001 | | <LOQ |
| THCA-A | 10.000 | 0.000032 | 0.001 | | <LOQ |
| CBGA | 10.000 | 0.000008 | 0.001 | | <LOQ |
| CBG | 10.000 | 0.000248 | 0.001 | | <LOQ |
| CBDV | 10.000 | 0.000065 | 0.001 | | <LOQ |
| CBDA | 10.000 | 0.00001 | 0.001 | | <LOQ |

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Certificate of Analysis

Compliance Test

Batch # OC-002 Test Reg State: Oregon
Batch Date: 2022-07-05
Extracted From: Hemp

Order # TOP220705-010001 Sampling Date: 2022-07-07 Initial Gross Weight: 25.833 g Number of Units: 1
Order Date: 2022-07-05 Lab Batch Date: 2022-07-07 Net Weight: 20.333 g Net Weight per Unit: 4066.600 mg
Sample # AADE8429 Completion Date: 2022-07-12

Heavy Metals

Specimen Weight: 254.000 mg

Passed
(ICP-MS)

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 |

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Certificate of Analysis

Compliance Test

Batch # OC-002 Test Reg State: Oregon
Batch Date: 2022-07-05
Extracted From: Hemp

Order # TOP220705-010001 Sampling Date: 2022-07-07 Initial Gross Weight: 25.833 g Number of Units: 1
Order Date: 2022-07-05 Lab Batch Date: 2022-07-07 Net Weight: 20.333 g Net Weight per Unit: 4066.600 mg
Sample # AADE8429 Completion Date: 2022-07-12



Pesticides

Specimen Weight: 192.430 mg

Passed
(LCMS/GCMS)

Dilution Factor: 7.795

| Analyte | LOQ (ppb) | Action Level (ppb) | Result (ppb) | Analyte | LOQ (ppb) | Action Level (ppb) | Result (ppb) |
|-------------------|-----------|--------------------|--------------|-------------------------|-----------|--------------------|--------------|
| Abarnectin | 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 |
| Carbaryl | 10 | 500 | <LOQ | Chlorfenapyr | 48 | 100 | <LOQ |
| Chlorpyrifos | 30 | 100 | <LOQ | Clofentazine | 30 | 500 | <LOQ |
| Coumaphos | 30 | 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 | 30 | 3000 | <LOQ |
| Ethoprophos | 30 | 100 | <LOQ | Etofenprox | 30 | 100 | <LOQ |
| Etoxazole | 30 | 1500 | <LOQ | Fenhexamid | 30 | 3000 | <LOQ |
| Fenoxycarb | 30 | 100 | <LOQ | Fenpyroximate | 30 | 2000 | <LOQ |
| Fipronil | 30 | 100 | <LOQ | Fonicamid | 30 | 2000 | <LOQ |
| Fludioxonil | 30 | 3000 | <LOQ | Hexythiazox | 30 | 2000 | <LOQ |
| Imazalil | 30 | 100 | <LOQ | Imidacloprid | 30 | 3000 | <LOQ |
| Kresoxim Methyl | 30 | 1000 | <LOQ | Malathion | 30 | 2000 | <LOQ |
| Metaxalyl | 10 | 3000 | <LOQ | Methiocarb | 30 | 100 | <LOQ |
| Methomyl | 30 | 100 | <LOQ | Mevinphos | 30 | 100 | <LOQ |
| Myclobutanil | 30 | 3000 | <LOQ | Naled | 30 | 500 | <LOQ |
| Oxamyl | 30 | 500 | <LOQ | Pacloutrazol | 30 | 100 | <LOQ |
| Parathion-methyl | 48 | 100 | <LOQ | Pentachloronitrobenzene | 30 | 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 | 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 |

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

Certificate of Analysis

Compliance Test

Batch # OC-002
Batch Date: 2022-07-05
Extracted From: Hemp
Test Reg State: Oregon

Order # TOP220705-010001
Order Date: 2022-07-05
Sample # AADE8429
Sampling Date: 2022-07-07
Lab Batch Date: 2022-07-07
Completion Date: 2022-07-12
Initial Gross Weight: 25.833 g
Net Weight: 20.333 g
Number of Units: 1
Net Weight per Unit: 4066.600 mg



Residual Solvents - FL (CBD)

Specimen Weight: 11.500 mg

Passed
(GCMS)

Dilution Factor: 1.000

| Analyte | LOQ (ppm) | Action Level (ppm) | Result (ppm) | Analyte | LOQ (ppm) | Action Level (ppm) | Result (ppm) |
|--------------------|-----------|--------------------|--------------|--------------------|-----------|--------------------|--------------|
| 1,1-Dichloroethene | 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 | | | | |



Microbiology (PetriFilm/Plating)

Specimen Weight: 1004.600 mg

Tested
(PetriFilm)

Dilution Factor: 10000.000

| Analyte | LOQ (cfu/g) | Result (cfu/g) | Analyte | LOQ (cfu/g) | Result (cfu/g) |
|------------------|-------------|----------------|--------------------|-------------|----------------|
| Aerobic Bacteria | 10 | <10 | E. Coli / Coliform | 10 | <10 |
| Yeast/Mold | 10 | 10.000 | | | |

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

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



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