



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

# Certificate of Analysis

## Compliance Test

**Balanced Health Botanicals (BHB)**  
1500 W. HAMPDEN AVE SUITE 5H  
ENGLEWOOD, CO 80110

Batch # 4212030  
Batch Date: 2021-08-19  
Extracted From: HEMP

Sampling Method: MSP 7.3.1  
Test Reg State: Florida

Production Date: 2021-08-19

Order # BAL210901-040018  
Order Date: 2021-09-01  
Sample # AABV627

Sampling Date: 2021-09-03  
Lab Batch Date: 2021-09-03  
Completion Date: 2021-10-08

Initial Gross Weight: 80.429 g  
Net Weight: 74.390 g

Number of Units: 1  
Net Weight per Unit: 3099.583 mg



Product Image

Potency Tested

Terpenes Tested

Heavy Metals Passed

Mycotoxins Passed

Pesticides Passed

Residual Solvents Passed

Water Activity Tested

Listeria Monocytogenes Passed

Pathogenic Passed

Microbiology Petrifilm Passed

**Potency - 11**  
Specimen Weight: 1520.000 mg

**Tested**  
(HPLC/LCMS)

**Potency Summary**

|                           |        |         |                           |        |          |
|---------------------------|--------|---------|---------------------------|--------|----------|
| <b>Total THC</b>          | 0.015% | 0.465mg | <b>Total CBD</b>          | 0.565% | 17.513mg |
| <b>Total CBG</b>          | 0.008% | 0.248mg | <b>Total CBN</b>          | 0.174% | 5.393mg  |
| <b>Other Cannabinoids</b> | 0.021% | 0.651mg | <b>Total Cannabinoids</b> | 0.783% | 24.270mg |

**Terpenes Summary**

| Analyte          | Result (mg/g) | (%)    |
|------------------|---------------|--------|
| (R)-(+)-Limonene | 0.865         | 0.087% |

**Total Terpenes: 0.087%**

Detailed Terpenes Analysis is on the following page

Pieces For Panel: 24

| Analyte     | Dilution (1:n) | LOD (%)  | LOQ (%) | Result (mg/g) | (%)   |
|-------------|----------------|----------|---------|---------------|-------|
| CBD         | 10.000         | 0.000054 | 0.001   | 5.651         | 0.565 |
| CBN         | 10.000         | 0.000014 | 0.001   | 1.737         | 0.174 |
| CBC         | 10.000         | 0.000018 | 0.001   | 0.214         | 0.021 |
| Delta-9 THC | 10.000         | 0.000013 | 0.001   | 0.150         | 0.015 |
| CBG         | 10.000         | 0.000248 | 0.001   | 0.079         | 0.008 |
| Delta-8 THC | 10.000         | 0.000026 | 0.001   | <LOQ          | <LOQ  |
| THCV        | 10.000         | 0.000007 | 0.001   | <LOQ          | <LOQ  |
| CBGA        | 10.000         | 0.00008  | 0.001   | <LOQ          | <LOQ  |
| CBDV        | 10.000         | 0.000065 | 0.001   | <LOQ          | <LOQ  |
| CBDA        | 10.000         | 0.00001  | 0.001   | <LOQ          | <LOQ  |
| THCA-A      | 10.000         | 0.000032 | 0.001   | <LOQ          | <LOQ  |

Xueli Gao  
Ph.D., DABT  
Lab Toxicologist

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



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Test Reg State: Florida

Production Date: 2021-08-19

Order # BAL210901-040018  
Order Date: 2021-09-01  
Sample # AABV627

Sampling Date: 2021-09-03  
Lab Batch Date: 2021-09-03  
Completion Date: 2021-10-08

Initial Gross Weight: 80.429 g  
Net Weight: 74.390 g

Number of Units: 1  
Net Weight per Unit: 3099.583 mg



## Terpenes

Specimen Weight: 197.700 mg

Tested  
(GC/GCMS)

Pieces For Panel: 24 Dilution Factor: 20.000

| Analyte             | LOQ (%) | Result (mg/g) | (%)   | Analyte            | LOQ (%) | Result (mg/g) | (%) |
|---------------------|---------|---------------|-------|--------------------|---------|---------------|-----|
| (R)-(+)-Limonene    | 0.02    | 0.865         | 0.087 | (+)-Cedrol         | 0.02    | <LOQ          |     |
| Geraniol            | 0.02    | <LOQ          |       | Geranyl acetate    | 0.02    | <LOQ          |     |
| Guaiol              | 0.02    | <LOQ          |       | Hexahydrothymol    | 0.02    | <LOQ          |     |
| Isoborneol          | 0.02    | <LOQ          |       | Isopulegol         | 0.02    | <LOQ          |     |
| Linalool            | 0.02    | <LOQ          |       | Nerol              | 0.02    | <LOQ          |     |
| Ocimene             | 0.014   | <LOQ          |       | Pulegone           | 0.02    | <LOQ          |     |
| Sabinene            | 0.02    | <LOQ          |       | Sabinene Hydrate   | 0.02    | <LOQ          |     |
| Terpinolene         | 0.02    | <LOQ          |       | Total Terpeneol    | 0.02    | <LOQ          |     |
| trans-Caryophyllene | 0.02    | <LOQ          |       | trans-Nerolidol    | 0.02    | <LOQ          |     |
| Gamma-Terpinene     | 0.02    | <LOQ          |       | Fenchone           | 0.02    | <LOQ          |     |
| Fenchyl Alcohol     | 0.02    | <LOQ          |       | 3-Carene           | 0.02    | <LOQ          |     |
| alpha-Bisabolol     | 0.02    | <LOQ          |       | alpha-Cedrene      | 0.02    | <LOQ          |     |
| alpha-Humulene      | 0.02    | <LOQ          |       | alpha-Phellandrene | 0.02    | <LOQ          |     |
| alpha-Pinene        | 0.02    | <LOQ          |       | alpha-Terpinene    | 0.02    | <LOQ          |     |
| Farnesene           | 0.02    | <LOQ          |       | beta-Myrcene       | 0.02    | <LOQ          |     |
| beta-Pinene         | 0.02    | <LOQ          |       | Borneol            | 0.04    | <LOQ          |     |
| Camphene            | 0.02    | <LOQ          |       | Camphors           | 0.04    | <LOQ          |     |
| Caryophyllene oxide | 0.02    | <LOQ          |       | cis-Nerolidol      | 0.02    | <LOQ          |     |
| Eucalyptol          | 0.02    | <LOQ          |       | Valencene          | 0.02    | <LOQ          |     |

**Total Terpenes: 0.087%**

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*Aixia Sun*  
Aixia Sun Lab Director/Principal Scientist  
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Order Date: 2021-09-01  
Sample # AABV627

Sampling Date: 2021-09-03  
Lab Batch Date: 2021-09-03  
Completion Date: 2021-10-08

Initial Gross Weight: 80.429 g  
Net Weight: 74.390 g

Number of Units: 1  
Net Weight per Unit: 3099.583 mg

## Heavy Metals

Specimen Weight: 252.700 mg

**Passed**  
(ICP-MS)

Pieces For Panel: 24 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         |

## Mycotoxins - CO

Specimen Weight: 154.380 mg

**Passed**  
(LCMS)

Pieces For Panel: 24 Dilution Factor: 9.716

| Analyte      | LOQ (ppb) | Action Level (ppb) | Result (ppb) | Analyte         | LOQ (ppb) | Action Level (ppb) | Result (ppb) |
|--------------|-----------|--------------------|--------------|-----------------|-----------|--------------------|--------------|
| Aflatoxin B1 | 2.5       | 5                  | <LOQ         | Aflatoxin Total | 2.5       | 20                 | <LOQ         |
| Ochratoxin A | 3.5       | 5                  | <LOQ         |                 |           |                    |              |

\*Aflatoxin Total = B1 + B2 + G1 + G2

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Initial Gross Weight: 80.429 g  
Net Weight: 74.390 g

Number of Units: 1  
Net Weight per Unit: 3099.583 mg

**Pesticides FL (MGK)** **Passed**  
(LCMS/GCMS)

Specimen Weight: 154.380 mg

Pieces For Panel: 24 Dilution Factor: 9.716

| 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         | Acetamidiprid         | 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         | 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         | Flonicamid            | 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         | Mevinphos             | 10        | 100                | <LOQ         |
| MGK                     | 30        | 200                | <LOQ         | Myclobutanil          | 30        | 3000               | <LOQ         |
| Naled                   | 30        | 500                | <LOQ         | Oxamyl                | 30        | 500                | <LOQ         |
| Paclbutrazol            | 30        | 100                | <LOQ         | Parathion-methyl      | 10        | 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         |

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Initial Gross Weight: 80.429 g  
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Number of Units: 1  
Net Weight per Unit: 3099.583 mg

**Residual Solvents – FL/UT (BHB)** **Passed**  
(GCMS)

Specimen Weight: 105.900 mg

Pieces For Panel: 24 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 Dimethoxyethane   | 0.04      | 100                | <LOQ         |
| 1,2-Dichloroethane    | 1.67      | 2                  | <LOQ         | 1,4 Dioxane           | 1.67      | 380                | <LOQ         |
| 1-Butanol             | 1.67      | 5000               | <LOQ         | 1-Pentanol            | 1.67      | 5000               | <LOQ         |
| 1-Propanol            | 1.67      | 5000               | <LOQ         | 2,2-dimethylbutane    | 1.67      | 290                | <LOQ         |
| 2,3-dimethylbutane    | 1.67      | 290                | <LOQ         | 2-Butanol             | 1.67      | 5000               | <LOQ         |
| 2-Butanone            | 6.4       | 5000               | <LOQ         | 2-Ethoxyethanol       | 1.67      | 160                | <LOQ         |
| 2-methylbutane        | 1.67      | 5000               | <LOQ         | 2-Methylpentane       | 1.67      | 290                | <LOQ         |
| 2-Propanol (IPA)      | 1.67      | 5000               | <LOQ         | 3-Methylpentane       | 1.67      | 290                | <LOQ         |
| Acetone               | 1.67      | 5000               | <LOQ         | Acetonitrile          | 0.02      | 410                | <LOQ         |
| Benzene               | 1.67      | 2                  | <LOQ         | Butane                | 1.67      | 2000               | <LOQ         |
| Chloroform            | 0.04      | 60                 | <LOQ         | Cumene                | 1.67      | 70                 | <LOQ         |
| Cyclohexane           | 1.67      | 3880               | <LOQ         | Dichloromethane       | 1.67      | 600                | <LOQ         |
| Dimethyl sulfoxide    | 1.67      | 5000               | <LOQ         | Ethanol               | 1.67      | 5000               | Passed       |
| Ethyl Acetate         | 1.11      | 5000               | <LOQ         | Ethyl Ether           | 1.39      | 5000               | <LOQ         |
| Ethylene glycol       | 1.67      | 620                | <LOQ         | Ethylene Oxide        | 0.1       | 5                  | <LOQ         |
| Heptane               | 1.67      | 5000               | <LOQ         | Hexane                | 1.17      | 290                | <LOQ         |
| Isopropyl acetate     | 1.67      | 5000               | <LOQ         | Isopropyl alcohol     | 1.67      | 500                | <LOQ         |
| Methanol              | 0.69      | 3000               | <LOQ         | Methylene chloride    | 2.43      | 600                | <LOQ         |
| Methylpropane         | 1.67      | 5000               | <LOQ         | N,N-dimethylacetamide | 1.67      | 1090               | <LOQ         |
| N,N-dimethylformamide | 1.67      | 880                | <LOQ         | Pentane               | 1.67      | 5000               | <LOQ         |
| Propane               | 1.67      | 2100               | <LOQ         | Pyridine              | 1.67      | 100                | <LOQ         |
| Sulfolane             | 1.67      | 160                | <LOQ         | Tetrahydrofuran       | 1.67      | 720                | <LOQ         |
| Toluene               | 1.67      | 890                | <LOQ         | Total Xylenes         | 1.67      | 1000               | <LOQ         |
| Trichloroethylene     | 0.49      | 80                 | <LOQ         |                       |           |                    |              |

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Aixia Sun Lab Director/Principal Scientist  
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License No. 800025015  
FL License # CMTL-0003  
CLIA No. 10D1094068

## Certificate of Analysis

Compliance Test

**Balanced Health Botanicals (BHB)**  
1500 W. HAMPDEN AVE SUITE 5H  
ENGLEWOOD, CO 80110

Batch # 4212030  
Batch Date: 2021-08-19  
Extracted From: HEMP

Sampling Method: MSP 7.3.1  
Test Reg State: Florida

Production Date: 2021-08-19

Order # BAL210901-040018  
Order Date: 2021-09-01  
Sample # AABV627

Sampling Date: 2021-09-03  
Lab Batch Date: 2021-09-03  
Completion Date: 2021-10-08

Initial Gross Weight: 80.429 g  
Net Weight: 74.390 g

Number of Units: 1  
Net Weight per Unit: 3099.583 mg

**Water Activity** **Tested**  
(Water Activity Analyzer)  
Specimen Weight: 0.500 g

Pieces For Panel: 24 Dilution Factor: 1.000

| Analyte        | Action Level (aw) | Result (aw) |
|----------------|-------------------|-------------|
| Water Activity | 0.85              | 0.561       |

**Listeria Monocytogenes** **Passed**  
(qPCR)  
Specimen Weight: 9990.000 mg

Pieces For Panel: 24 Dilution Factor: 1.000

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

**Pathogenic SAE (qPCR) - CO** **Passed**  
(qPCR)  
Specimen Weight: 248.000 mg

Pieces For Panel: 24 Dilution Factor: 1.000

| 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  | Salmonella | 25                   | Absence in 25g |
|   |                      |                | STEC       | 25                   | Absence in 25g |

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

*Aixia Sun*  
Aixia Sun  
Lab Director/Principal Scientist  
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Number of Units: 1  
Net Weight per Unit: 3099.583 mg



### Microbiology (Petrifilm/Plating) - CO

Specimen Weight: 999.300 mg

**Passed**  
(Petrifilm)

Pieces For Panel: 24 Dilution Factor: 10.000

| Analyte          | LOQ (cfu/g) | Result (cfu/g) | Analyte        | LOQ (cfu/g) | Result (cfu/g) |
|------------------|-------------|----------------|----------------|-------------|----------------|
| Aerobic Bacteria | 10          | <10            | Total Coliform | 10          | <10            |
| Yeast/Mold       | 10          | <10            |                |             |                |

*Xueli Gao*  
Xueli Gao Lab Toxicologist  
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