



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 # 1210891  
Batch Date: 2021-04-06  
Extracted From: HEMP

Sampling Method: MSP 7.3.1 Test Reg  
State: Florida

Production Date: 2021-04-06

Order # BAL210427-010053  
Order Date: 2021-04-27  
Sample # AABG844

Sampling Date: 2021-04-30  
Lab Batch Date: 2021-04-30  
Completion Date: 2021-05-07

Initial Gross Weight: 24.121 g  
Density: 0.9421 g/ml



Product Image

Potency Tested

Terpenes Tested

Heavy Metals Passed

Mycotoxins Passed

Pesticides Passed

Residual Solvents Passed

Water Activity Tested

Listeria Monocytogenes Passed

Pathogenic Passed

### Potency - 11

Specimen Weight: 90.920 mg

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/ml)	(%)
CBD	10.000	0.000054	0.001	36.130	3.835
CBDA	10.000	0.00001	0.001	1.681	0.178
CBC	10.000	0.000018	0.001	1.570	0.167
Delta-9 THC	10.000	0.000013	0.001	1.513	0.161
CBG	10.000	0.000248	0.001	0.717	0.076
Delta-8 THC	10.000	0.000026	0.001	<LOQ	<LOQ
CBN	10.000	0.000014	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
THCA-A	10.000	0.000032	0.001	<LOQ	<LOQ

### Tested (HPLC/LCMS)

### Potency Summary

Total THC 0.161%	Total CBD 3.991%
Total CBG 0.076%	Total CBN None Detected
Other Cannabinoids 0.167%	Total Cannabinoids 4.395%

### Terpenes Summary

Analyte	Result (mg/ml)	(%)
trans-Caryophyllene	2.439	0.244%
alpha-Bisabolol	1.075	0.107%
Guaiol	0.822	0.082%
alpha-Humulene	0.772	0.077%
trans-Nerolidol	0.33	0.033%

Total Terpenes: 0.543%

Detailed Terpenes Analysis is on the following page

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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### Terpenes - FL

Specimen Weight: 2056.500 mg

Tested  
(GC/GCMS)

Dilution Factor: 2500.000

Analyte	LOQ (%)	Result (mg/g)	(%)	Analyte	LOQ (%)	Result (mg/g)	(%)
trans-Caryophyllene	0.02	2.439	0.244	alpha-Bisabolol	0.02	1.075	0.107
Guaiaol	0.02	0.822	0.082	alpha-Humulene	0.02	0.772	0.077
trans-Nerolidol	0.02	0.330	0.033	(+)-Cedrol	0.02	<LOQ	<LOQ
Nerol	0.02	<LOQ	<LOQ	Geranyl acetate	0.02	<LOQ	<LOQ
Hexahydrothymol	0.02	<LOQ	<LOQ	Isoborneol	0.02	<LOQ	<LOQ
Isopulegol	0.02	<LOQ	<LOQ	Linalool	0.02	<LOQ	<LOQ
Sabinene	0.02	<LOQ	<LOQ	Ocimene	0.014	<LOQ	<LOQ
Pulegone	0.02	<LOQ	<LOQ	Gamma-Terpinene	0.02	<LOQ	<LOQ
Sabinene Hydrate	0.02	<LOQ	<LOQ	Terpineol	0.02	<LOQ	<LOQ
Terpinolene	0.02	<LOQ	<LOQ	Geraniol	0.02	<LOQ	<LOQ
Fenchone	0.02	<LOQ	<LOQ	Fenchyl Alcohol	0.02	<LOQ	<LOQ
beta-Myrcene	0.02	<LOQ	<LOQ	3-Carene	0.02	<LOQ	<LOQ
alpha-Cedrene	0.02	<LOQ	<LOQ	alpha-Phellandrene	0.02	<LOQ	<LOQ
alpha-Pinene	0.02	<LOQ	<LOQ	alpha-Terpinene	0.02	<LOQ	<LOQ
beta-Pinene	0.02	<LOQ	<LOQ	(R)-(+)-Limonene	0.02	<LOQ	<LOQ
Borneol	0.04	<LOQ	<LOQ	Camphene	0.02	<LOQ	<LOQ
Camphors	0.04	<LOQ	<LOQ	Caryophyllene oxide	0.02	<LOQ	<LOQ
cis-Nerolidol	0.02	<LOQ	<LOQ	Eucalyptol	0.02	<LOQ	<LOQ
Farnesene	0.02	<LOQ	<LOQ	Valencene	0.02	<LOQ	<LOQ

**Total Terpenes: 0.543%**

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Xueli Gao Lab Toxicologist  
Ph.D., DABT

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



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### Heavy Metals

Specimen Weight: 254.590 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



### Mycotoxins

Specimen Weight: 171.500 mg

**Passed**  
(LCMS)

Dilution Factor: 8.746

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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Sample # AABG844

Sampling Date: 2021-04-30  
Lab Batch Date: 2021-04-30  
Completion Date: 2021-05-07

Initial Gross Weight: 24.121 g  
Density: 0.9421 g/ml

**Pesticides FL V4** **Passed**  
(LCMS/GCMS)  
Specimen Weight: 171.500 mg

Dilution Factor: 8.746

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	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
Paclbutrazol	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				

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Initial Gross Weight: 24.121 g  
Density: 0.9421 g/ml

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

Specimen Weight: 7.400 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 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	<LOQ
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	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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## Water Activity Tested (Water Activity Analyzer)

Specimen Weight: 0.500 g

Dilution Factor: 1.000

Analyte	Action Level (aw)	Result (aw)
Water Activity	0.85	0.250

## Listeria Monocytogenes Passed (qPCR)

Specimen Weight: 1004.300 mg

Dilution Factor: 1.000

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

## Pathogenic SAE (qPCR) Passed (qPCR)

Specimen Weight: 255.850 mg

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	E.Coli	1	Absence in 1g
			Salmonella	1	Absence in 1g

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