



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

# Certificate of Analysis

## Compliance Test

**CYPRESS HEMP LLC**  
10771 Perkins Rd  
BATON ROUGE, LA 70810

Batch # M051  
Batch Date: 2021-12-14  
Extracted From: Hemp

Test Reg State: Oregon

Order # CYP211214-160001  
Order Date: 2021-12-14  
Sample # AACG758

Sampling Date: 2021-12-17  
Lab Batch Date: 2021-12-17  
Completion Date: 2021-12-23

Initial Gross Weight: 89.484 g



Product Image

Potency  
Tested

Terpenes  
Tested

Heavy Metals  
Passed

Pesticides  
Passed

Microbiology  
Petrifilm  
Tested



### Potency - 11

Specimen Weight: 200.650 mg

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/g)	(%)
CBDA	15,000	0.00001	0.001	97.520	9.752
CBD	15,000	0.000054	0.001	21.970	2.197
CBGA	15,000	0.00008	0.001	2.445	0.245
Delta-9 THC	15,000	0.000013	0.001	2.306	0.231
CBC	15,000	0.000018	0.001	1.859	0.186
THCA-A	15,000	0.000032	0.001	1.804	0.180
CBG	15,000	0.000248	0.001	0.836	0.084
CBDV	15,000	0.000065	0.001	0.818	0.082
CBN	15,000	0.000014	0.001	0.211	0.021
THCV	15,000	0.000007	0.001	<LOQ	<LOQ
Delta-8 THC	15,000	0.000026	0.001	<LOQ	<LOQ

Tested  
(HPLC/LCMS)



### Potency Summary

<b>Total THC</b> 0.389%	<b>Total CBD</b> 10.750%
<b>Total CBG</b> 0.298%	<b>Total CBN</b> 0.021%
<b>Other Cannabinoids</b> 0.268%	<b>Total Cannabinoids</b> 11.725%



### Terpenes Summary

Analyte	Result (mg/g)	(%)
beta-Myrcene	1.86	0.186%
trans-Caryophyllene	0.7	0.07%
alpha-Pinene	0.67	0.067%
Terpinolene	0.57	0.057%
Eucalyptol	0.53	0.053%
(R)-(+)-Limonene	0.37	0.037%
beta-Pinene	0.3	0.03%
alpha-Humulene	0.17	0.017%
Sabinene Hydrate	0.15	0.015%
Linalool	0.12	0.012%
Total Terpeneol	0.1	0.01%
Fenchyl Alcohol	0.08	0.008%
cis-Nerolidol	0.08	0.008%
Ocimene	0.07	0.007%
alpha-Terpinene	0.07	0.007%
alpha-Phellandrene	0.07	0.007%
Caryophyllene oxide	0.06	0.006%
3-Carene	0.06	0.006%
Valencene	0.05	0.005%
Farnesene	0.05	0.005%
alpha-Cedrene	0.05	0.005%

**Total Terpenes: 0.618%**

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



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%



This report shall not be reproduced, without written approval, from ACS Laboratory. The results of this report relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. Accredited by a third-party accrediting body as a competent testing laboratory pursuant to ISO/IEC 17025 of the International Organization for Standardization.



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

# Certificate of Analysis

Compliance Test

**CYPRESS HEMP LLC**  
10771 Perkins Rd  
BATON ROUGE, LA 70810

Batch # M051  
Batch Date: 2021-12-14  
Extracted From: Hemp

Test Reg State: Oregon

Order # CYP211214-160001  
Order Date: 2021-12-14  
Sample # AACG758

Sampling Date: 2021-12-17  
Lab Batch Date: 2021-12-17  
Completion Date: 2021-12-23

Initial Gross Weight: 89.484 g



## Terpenes

Specimen Weight: 38.300 mg

Tested  
(GC/GCMS)

Dilution Factor: 1.000

Analyte	LOQ (%)	Result (mg/g)	(%)	Analyte	LOQ (%)	Result (mg/g)	(%)
beta-Myrcene	0.002	1.860	0.186	trans-Caryophyllene	0.002	0.700	0.070
alpha-Pinene	0.002	0.670	0.067	Terpinolene	0.002	0.570	0.057
Eucalyptol	0.002	0.530	0.053	(R)-(+)-Limonene	0.002	0.370	0.037
beta-Pinene	0.002	0.300	0.030	alpha-Humulene	0.002	0.170	0.017
Sabinene Hydrate	0.002	0.150	0.015	Linalool	0.002	0.120	0.012
Total Terpeneol	0.001	0.100	0.010	Fenchyl Alcohol	0.002	0.080	0.008
cis-Nerolidol	0.002	0.080	0.008	alpha-Terpinene	0.002	0.070	0.007
Ocimene	0.000	0.070	0.007	alpha-Phellandrene	0.002	0.070	0.007
3-Carene	0.002	0.060	0.006	Caryophyllene oxide	0.002	0.060	0.006
Valencene	0.002	0.050	0.005	Farnesene	0.002	0.050	0.005
alpha-Cedrene	0.002	0.050	0.005	Sabinene	0.002	<LOQ	
Pulegone	0.002	<LOQ		Isopulegol	0.002	<LOQ	
Nerol	0.002	<LOQ		trans-Nerolidol	0.002	<LOQ	
(+)-Cedrol	0.002	<LOQ		Isoborneol	0.002	<LOQ	
Hexahydrothymol	0.002	<LOQ		Guaiol	0.002	<LOQ	
Geranyl acetate	0.002	<LOQ		Geraniol	0.002	<LOQ	
Gamma-Terpinene	0.002	<LOQ		Camphors	0.006	<LOQ	
Camphene	0.002	<LOQ		Borneol	0.004	<LOQ	
alpha-Bisabolol	0.002	<LOQ		Fenchone	0.002	<LOQ	

**Total Terpenes: 0.618%**

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

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



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%

This report shall not be reproduced, without written approval, from ACS Laboratory. The results of this report relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. Accredited by a third-party accrediting body as a competent testing laboratory pursuant to ISO/IEC 17025 of the International Organization for Standardization.





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

## Certificate of Analysis

Compliance Test

**CYPRESS HEMP LLC**  
10771 Perkins Rd  
BATON ROUGE, LA 70810

Batch # M051  
Batch Date: 2021-12-14  
Extracted From: Hemp

Test Reg State: Oregon

Order # CYP211214-160001  
Order Date: 2021-12-14  
Sample # AACG758

Sampling Date: 2021-12-17  
Lab Batch Date: 2021-12-17  
Completion Date: 2021-12-23

Initial Gross Weight: 89.484 g

### H Heavy Metals

Specimen Weight: 248.680 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	102.000	Cadmium (Cd)	100	500	<LOQ
Lead (Pb)	100	500	<LOQ	Mercury (Hg)	100	3000	<LOQ

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

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



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%



This report shall not be reproduced, without written approval, from ACS Laboratory. The results of this report relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. Accredited by a third-party accrediting body as a competent testing laboratory pursuant to ISO/IEC 17025 of the International Organization for Standardization.



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

# Certificate of Analysis

Compliance Test

**CYPRESS HEMP LLC**  
10771 Perkins Rd  
BATON ROUGE, LA 70810

Batch # M051  
Batch Date: 2021-12-14  
Extracted From: Hemp

Test Reg State: Oregon

Order # CYP211214-160001  
Order Date: 2021-12-14  
Sample # AACG758

Sampling Date: 2021-12-17  
Lab Batch Date: 2021-12-17  
Completion Date: 2021-12-23

Initial Gross Weight: 89.484 g

**Pesticides**

Specimen Weight: 183.700 mg

**Passed**  
(LCMS/GCMS)

Dilution Factor: 8.166

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
Carbaryl	10	500	<LOQ	Chlorfenapyr	48	100	<LOQ
Chlorpyrifos	30	100	<LOQ	Clofentezine	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	Flonicamid	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
Metalaxyl	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	Pacllobutrazol	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

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

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



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, (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%



This report shall not be reproduced, without written approval, from ACS Laboratory. The results of this report relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. Accredited by a third-party accrediting body as a competent testing laboratory pursuant to ISO/IEC 17025 of the International Organization for Standardization.



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

## Certificate of Analysis

Compliance Test

**CYPRESS HEMP LLC**  
10771 Perkins Rd  
BATON ROUGE, LA 70810

Batch # M051  
Batch Date: 2021-12-14  
Extracted From: Hemp

Test Reg State: Oregon

Order # CYP211214-160001  
Order Date: 2021-12-14  
Sample # AACG758

Sampling Date: 2021-12-17  
Lab Batch Date: 2021-12-17  
Completion Date: 2021-12-23

Initial Gross Weight: 89.484 g



### Microbiology (Petrifilm/Plating)

Tested  
(Petrifilm)

Specimen Weight: 993.250 mg

Dilution Factor: 1.000

Analyte	LOQ (cfu/g)	Result (cfu/g)	Analyte	LOQ (cfu/g)	Result (cfu/g)
Aerobic Bacteria	10	50.000	E. Coli / Coliform	10	<10
Yeast/Mold	10	30.000			

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

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



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%

This report shall not be reproduced, without written approval, from ACS Laboratory. The results of this report relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. Accredited by a third-party accrediting body as a competent testing laboratory pursuant to ISO/IEC 17025 of the International Organization for Standardization.