



Fruit Loops  
Sample Matrix:  
CBD/HEMP  
Flower & Plants  
(Inhalation - Heated)



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

## Certificate of Analysis

R&D

Dr. Gary [REDACTED]  
Beverly Hills, CA 90212

Order # DRG211105-030001  
Order Date: 2021-11-05  
Sample #: AACD941

Batch #: 11052100  
Batch Date: 2021-11-05  
Extracted From: Hemp

Test Reg State: Oregon



Sampling Date: 2021-11-09  
Lab Batch Date: 2021-11-09  
Completion Date: 2021-11-15

Initial Gross Weight: 19.377 g  
Net Weight: 12.777 g

Number of Units: 1  
Net Weight per Unit: 13119.000 mg



Product Image



### Potency - 11

Analyte	Dilution	LOQ (%)	Result (mg/g)	Tested (HPLC/LC/MS)	Potency Summary	
					Total THC	Total CBD
CBD-A	15.000	0.00001	0.001	20.200	0.790%	103.640mg
CBD	15.000	0.000054	0.001	11.950	18.985%	84.880mg
THCA-A	15.000	0.000032	0.001	7.269	0.647%	None Detected
CBG-A	15.000	0.000000	0.001	6.245	0.136%	17.842mg
Delta-9-THC	15.000	0.000013	0.001	1.572	0.152%	2,490.642mg
CBG	15.000	0.000048	0.001	0.953	0.099%	2,696.873mg
CBC	15.000	0.000018	0.001	0.856	0.099%	
CBDV	15.000	0.000065	0.001	0.465	0.046%	
Delta-8-THC	15.000	0.000026	0.001	<LOQ		
THCV	15.000	0.000007	0.001	<LOQ		
CBN	15.000	0.000014	0.001	<LOQ		

### Potency Summary

Analyte	Total THC	Total CBD
Total THC	103.640mg	18.985%
Total CBG	84.880mg	Total CBN None Detected
Other Cannabinoids	17.842mg	Total Cannabinoids 2,696.873mg

### Terpenes Summary

Analyte	Result (mg/g) (%)
trans-Caryophyllene	18.232 0.823%
alpha-Bisabolol	2.465 0.247%
trans-Hexenol	1.97 0.197%
Farnesene	1.811 0.181%
alpha-Humulene	1.709 0.171%
Hexahydrothymol	0.537 0.054%
beta-Mycane	0.356 0.036%

Total Terpenes: 2.709%

Detailed Terpenes Analysis is on the following page

*dr. gary*  
Xuel Qiao  
Ph.D., DABT  
Lab Toxicologist

*anna sun*  
Anna 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 CBG = CBDV + CBDVA + (CBDA \* 0.87), \*Total THC = THCA-A \* 0.877 + Delta-9-THC, \*Total THCV = THCV + Total THCA-A \* 0.877, \*CBG Total = (CBGA \* 0.877) + CBG, \*CBN Total = (CBNA \* 0.877) + CBN, \*Total CBC = CBC + (CBGA \* 0.877), \*Total CBN = CBN + (CBNA \* 0.877), \*Total Cannabinoids = Total CBD + Total CBG + Total CBV + Total CBNA + Total CBN + Total CBC + Total THCV + Total THCA-A + Delta-8-THC + Delta-9-THC + Delta-10-THC + Delta-11-THC, \*Total THC-D-Accurate = Delta-9-THC-D-Accurate + CBT + CBT-D-Accurate, \*Analyte Details above show the Dry Weight Concentration unless specified as a 12% moisture concentration (mg/mg) = Milligrams per Milliliters, LOQ = Limit of Quantitation, LOD = Limit of Detection, Dilution = Dilution Factor (µg/g) = Parts per Billion, (%) = Percent, (mg/g) = Milligrams per Gram (mg/g) = Milligrams per Kilogram, (µg/g) = Micrograms per Gram (µg/g) = Parts per Million, (µg/ml) = µg/ml, (µg/g) = µg (mass ratio) = Area Ratio, (mg/kg) = Milligrams per Kilogram, \*Measurement of Uncertainty = +/- 10%.

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Sample Matrix:  
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Flower & Plants  
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Beverly Hills, CA 90212

Batch #: 11052100  
Batch Date: 2021-11-05  
Extracted From: Hemp

Test Reg State: Oregon

Order #: DRG211105-030001  
Order Date: 2021-11-05  
Sample #: AAC0541

Sampling Date: 2021-11-09  
Lab Batch Date: 2021-11-09  
Completion Date: 2021-11-15

Initial Gross Weight: 19.177 g  
Net Weight: 12.777 g

Number of Units: 1  
Net Weight per Unit: 13119.000 mg

### Terpenes

Specimen Weight: 207.280 mg

Tested  
(GC/GC/MS)

Dilution Factor: 30.000

Analyte	LOQ (%)	Result (mg/g)	(%)	Analyte	LOQ (%)	Result (mg/g)	(%)
trans-Caryophyllene	0.02	18.232	1.823	alpha-Isobolol	0.02	2.465	0.247
trans-Nerolidol	0.02	1.970	0.197	Farnesene	0.02	1.811	0.181
alpha-Humulene	0.02	1.708	0.171	Hexahydrothymol	0.02	0.537	0.054
beta-Myrcene	0.02	0.356	0.036	Nerol	0.02	<LOQ	<LOQ
Geranyl acetate	0.02	<LOQ	<LOQ	Guaiol	0.02	<LOQ	<LOQ
Isoborneol	0.02	<LOQ	<LOQ	Isopulegol	0.02	<LOQ	<LOQ
Linalool	0.02	<LOQ	<LOQ	(+)-Cedrol	0.02	<LOQ	<LOQ
Cineole	0.014	<LOQ	<LOQ	Pulegone	0.02	<LOQ	<LOQ
Sabinene	0.02	<LOQ	<LOQ	Sabinene Hydrate	0.02	<LOQ	<LOQ
Terpinolene	0.02	<LOQ	<LOQ	Total Terpeneol	0.02	<LOQ	<LOQ
Geranial	0.02	<LOQ	<LOQ	Fenchone	0.02	<LOQ	<LOQ
Gamma-Terpinene	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	Fenchyl Alcohol	0.02	<LOQ	<LOQ
Borneol	0.04	<LOQ	<LOQ	Camphene	0.02	<LOQ	<LOQ
Camphor	0.04	<LOQ	<LOQ	Caryophyllene oxide	0.02	<LOQ	<LOQ
cis-Nerolidol	0.02	<LOQ	<LOQ	Eucalyptol	0.02	<LOQ	<LOQ
(R)-(+)-Limonene	0.02	<LOQ	<LOQ	Valencene	0.02	<LOQ	<LOQ

Total Terpenes: 2.709%

*Mark Green*  
Mark Green  
Ph.D., DABT

*Anna Sun*  
Anna Sun  
Lab Technologist  
D.H.Sc., M.Sc., B.Sc., MT (AAH)



Definitions and Abbreviations used in this report:  
\*Total CBD = CBD + (CBD-A \* 0.877), \*\*Total CBGV = CBGV + (CBGV-A \* 0.877), \*\*\*Total THCV = THCV + (THCV-A \* 0.877), \*\*\*\*Total CBC = (CBGA \* 0.877) + CBN, \*Total CBC = CBC + (CBGA \* 0.877), \*Other Cannabinoids Total = Total Cannabinoids - All the total cannabinoids on the summary section, \*Total Detected Cannabinoids = Delta-8 THC + Total CBN + CBD + Delta-9 THC + Tetrahydrocannabinol + Cannabidiol + Cannabidiolic Acid + Total CBGV + Delta-8-THO, \*\*Total THC-D-Acetate = Delta-8 THC-D-Acetate + Delta-9 THC-D-Acetate + Tetrahydrocannabinol-D-Acetate, \*\*\*Total Cannabinoid Concentration = (Percent (mg/mg)) \* Milligrams per Milliliter, (LOQ = Limit of Quantitation, LOB = Limit of Detection, Dilution = Dilution factor (ppm) = Parts per Billion, (% = Percent, (mg/kg) = Milligrams per Kilogram, (ppm) = Parts per Million, (ug/ml) = Microgram per Milliliter, (CFU) = Colony Forming Unit per Gram (cfu/g) = Colony Forming Unit per Gram, (ug/kg) = Milligrams per Kilogram, (M) = Measurement of Uncertainty, e = ± %)

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Fruit Loops  
Sample Matrix:  
CBD/HEMP  
Flower & Plants  
(Inhalation - Heated)



## Certificate of Analysis

R&D

<b>Beverly Hills, CA 90212</b>	Batch # 11052100 Batch Date: 2021-11-05 Extracted From: Hemp	Test Reg State: Oregon
Order # DRG211105-000001 Order Date: 2021-11-05 Sample #: AAC0541	Sampling Date: 2021-11-09 Lab Batch Date: 2021-11-09 Completion Date: 2021-11-15	Initial Gross Weight: 19.177 g Net Weight: 12.777 g Number of Units: 1 Net Weight per Unit: 13119.000 mg

### H Heavy Metals

Specimen Weight: 251.400 mg Passed (ICP-MS)

Dilution Factor: 2.000								
Analyte	LLO (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LLO (ppb)	Action Level (ppb)	Result (ppb)	
Arsenic (As)	100	1500	<LOQ	Cadmium (Cd)	100	500	<LOQ	
Lead (Pb)	100	500	226.000	Mercury (Hg)	100	3000	<LOQ	

### Mycotoxins

Specimen Weight: 169.550 mg Passed (LC/MS)

Dilution Factor: 7.457								
Analyte	LLO (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LLO (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					

  
Karen Green  
Ph.D., DABT

  
Maria Serratos  
Lab Director/Principal Scientist  
D.H.Sc., M.Sc., B.Sc., MT (ASCP)



Definitions and Abbreviations used in this report: \*Total CBD = CBD + (CBD-A \* 0.877), \*\*Total CBDA = CBDA + (CBDA-A \* 0.877), \*\*\*Total THC = THC-A + 0.877 \*Delta-9-THC = Total THC - (THC-A \* 0.877), \*\*\*\*CBG Total = (CBG-A \* 0.877) + CBG, \*\*\*\*CBN Total = (CBNA-A \* 0.877) + CBN, \*\*\*\*\*CDC = CBD + (CBGA \* 0.877). \*Other Cannabinoids = Total = Total Cannabinoids - All the listed cannabinoids are the summary section. \*Total Detected Cannabinoids = Delta-9-THC + Total CBDA + Total CBD + Total CBG + Total CBGA + Total CBN + Total CBC + Total THCA + Total THCV + Total Delta-9-THCVA + Total CBGV + Total CBGAVA. Delta-9-THCVA = THC-D-Isomer. \*\*Analyte Details above show the Dry Weight Concentration unless specified as LLO, relatives concentrations (ppm) = Parts per Million, (µg/g) = Microgram per Gram, (ng/g) = Nanogram per Milligram, (mg/kg) = Milligram per Kilogram, (Microg/m) = Measurement of Uncertainty ± n/193.

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[REDACTED]  
Beverly Hills, CA 90212

Batch # 11052100	Test Reg State: Oregon
Batch Date: 2021-11-05	
Extracted From: Hemp	
Order # DRG211105-030001	Sampling Date: 2021-11-09
Order Date: 2021-11-05	Lab Batch Date: 2021-11-09
Sample # AACD941	Completion Date: 2021-11-15
	Initial Gross Weight: 19.177 g
	Net Weight: 12.777 g
	Number of Units: 1
	Net Weight per Unit: 13119.000 mg

### Pesticides

Specimen Weight: 189.950 mg

Passed  
(LCMS/GCMS)

Dilution Factor: 7.449

Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Aldrinotins	25.23	300	<LOQ	Acetophenetidin	30	1000	<LOQ
Acrylamide	48	2000	<LOQ	Acetoxynaph	30	3000	<LOQ
Aldrinol	30	100	<LOQ	Acetylacetone	10	3000	<LOQ
Bifenazate	30	3000	<LOQ	Bifenthrin	30	500	<LOQ
Carbofenth	10	500	<LOQ	Chlorotetracy	40	100	<LOQ
Chlorpyrifos	30	100	<LOQ	Clofentezine	30	500	<LOQ
Coumaphos	30	100	<LOQ	Cyfluthrin	30	1000	<LOQ
Cypermethrin	30	1000	<LOQ	Daminoxide	30	100	<LOQ
Diphenot	30	200	<LOQ	Dithofenoxa	30	100	<LOQ
Endosulfato	20	100	<LOQ	Dimethylmorph	30	3000	<LOQ
Etoxazole	20	100	<LOQ	Etoxazole	30	100	<LOQ
Etsuxazole	30	1000	<LOQ	Fluoxacarb	30	3000	<LOQ
Fenoxycarb	30	100	<LOQ	Fluopyrimid	30	2000	<LOQ
Fipronil	30	100	<LOQ	Fluorocarb	30	2000	<LOQ
Fluquacarb	30	2000	<LOQ	Imidacloprid	30	2000	<LOQ
Imidacil	30	100	<LOQ	Malathion	30	2000	<LOQ
Methicomethyl	30	1000	<LOQ	Methiocarb	30	100	<LOQ
Methomyl	10	2000	<LOQ	Methophas	30	100	<LOQ
Myclobutanil	30	2000	<LOQ	Naled	30	500	<LOQ
Quazepam	30	500	<LOQ	Permethrin	30	100	<LOQ
Permethryl	48	100	<LOQ	Permethroneisobornane	30	200	<LOQ
Permethrine	30	1000	<LOQ	Phosmet	30	200	<LOQ
Piperonylbutoxide	30	2000	<LOQ	Phthalimide	30	400	<LOQ
Propiconazole	30	1000	<LOQ	Propicon	30	100	<LOQ
Pyrethrin	30	1000	<LOQ	Pyridaben	30	3000	<LOQ
Siganotan	30	2000	<LOQ	Spiromesifen	30	3000	<LOQ
Spirastrellal	30	2000	<LOQ	Spirotetramine	30	100	<LOQ
Tebuconazole	30	1000	<LOQ	Thiacloprid	30	100	<LOQ
Thiamethoxam	30	1000	<LOQ	Trifloxystrobin	30	3000	<LOQ

*[Signature]* *[Signature]*  
Xavier Goss Lab Technologist  
Ph.D., DAET

Alice Sun Lab Director/Principal Scientist  
Ph.D.Sc., M.Sc., B.Sc., MT (ANL)



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\*Total CBD = CBD + (CBD-A \* 0.877), \*Total CBDA = CBDA + (CBDA-A \* 0.877), \*Total THC = THC-A \* 0.877 + Delta-9 THC, \*Total THCV = THCV + (THCV-A \* 0.877), \*CBG Total = (CBGA \* 0.877) + CBG, \*Total CBC = CBC + (CBCA \* 0.877), \*Other Cannabinoids Total = Total Cannabinoids - Total Detected Cannabinoids = Delta-THC + Total CBN + CBD + CBDA + CBGA + THCV + Total Cannabinoids - Total Detected Cannabinoids  
LOQ = Limit of Quantitation, LOD = Limit of Detection, Dilution = Parts per Billion, (%) = Percent, (mg/kg) = Milligrams per Kilogram, (mg/g) = Milligrams per Gram, (ppm) = Parts per Millions, (ppb) = (ug/g), (nm) = nm (wavenumber) = Area Ratio, (mg/kg) = Milligrams per Kilogram, (%uncertainty) = % uncertainty

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Net Weight: 12.777 g  
Number of Units: 1  
Net Weight per Unit: 13119.000 mg

### Moisture

Net Weight: 12.777 g

Tested  
(Moisture Meter)

Dilution Factor: 1:400

Analyte	Action Level (%)	Result (%)
Moisture	15	4.018

### Listeria Monocytogenes

Specimen Weight: 164.090 mg

Passed  
(qPCR)

Dilution Factor: 1:400

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

### Pathogenic SAE (qPCR)

Specimen Weight: 278.900 mg

Passed  
(qPCR)

Dilution Factor: 1:400

Analyte	Action Level (cfu/g)	Result (cfu/g)	Analyte	Action Level (cfu/g)	Result (cfu/g)			
Escherichia coli (Reovirus, Fumigatus, Nigri, Terreus)	1	Absence in 1g	E. coli	1	Absence in 1g	Salmonella	1	Absence in 1g

*Mark Green*  
Mark Green  
Ph.D., DABT

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



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