



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

Certificate of Analysis

R&D



Beverly Hills, CA 90212

Batch #: 1105210Q
 Batch Date: 2021-11-05
 Extracted From: Hemp

Test Reg State: Oregon

Order #: DRG211105-030001
 Order Date: 2021-11-05
 Sample #: AACDS41

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



Product Image

Potency Tested	Terpenes Tested	Heavy Metals Passed	Mycotoxins Passed	Pesticides Passed
Moisture Tested	Listeria Monocytogenes Passed	Pathogenic Passed		

Potency - 11

Specimen Weight: 207.280 mg

Analyte	Dilution	LOD (%)	LOQ (%)	Result (mg/g)	Result (%)
CBD	15.000	0.00001	0.001	202.800	20.280
CBD	15.000	0.000054	0.001	11.990	1.199
THCA-A	15.000	0.000032	0.001	7.269	0.727
CBGA	15.000	0.00008	0.001	6.245	0.625
Delta-9 THC	15.000	0.000013	0.001	1.522	0.152
CBG	15.000	0.000348	0.001	0.993	0.099
CBC	15.000	0.000018	0.001	0.896	0.090
CBOV	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	

Tested (HPLC/LCMS)

Potency Summary

Total THC 0.790% 103.640mg	Total CBD 18.985% 2,490.642mg
Total CBG 0.647% 84.880mg	Total CBN None Detected
Other Cannabinoids 0.136% 17.042mg	Total Cannabinoids 20.557% 2,696.873mg

Terpenes Summary

Analyte	Result (mg/g)	(%)
trans-Caryophyllene	18.232	1.823%
alpha-Bisabolol	2.465	0.247%
trans-Pinokadiol	1.97	0.197%
Farnesene	1.811	0.181%
alpha-Humulene	1.708	0.171%
Neohydroxythymol	0.537	0.054%
beta-Myrcene	0.256	0.026%

Total Terpenes: 2.709%

Detailed Terpenes Analysis is on the following page

Xueli Gao
 Ph.D., DABT
 Lab Toxicologist

Asia 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 CBGV = CBDV + (CBDVA * 0.87); *Total THC = THCA-A * 0.877 + Delta-9 THC; *Total THCV = THCV + (THCVA * 0.87); *CBD Total = (CBDA * 0.877) + CBD; *CBM Total = (CBMA * 0.877) + CBN; *Total CBD = CBD + (CBDA * 0.877); *Other Cannabinoids Total = Total Cannabinoids - All the listed cannabinoids on the summary section; *Total Detected Cannabinoids = Delta-9 THC + Total CBN + CBD + Delta-11 THCV + Total CBG + Total CBD + Total THCV + CBL + Total THC + Total CBD + Total CBGV + Delta-10-THC; *Total THC-D-Acetate = Delta-8 THC-D-Acetate + THC-D-Acetate; *Analyte Details above show the Dry Weight Concentration unless specified as 12% moisture concentration. (mg/ml) = Milligram per Milliliter, LOQ = Limit of Quantitation, LOD = Limit of Detection, Dilution = Dilution Factor (ppm) = Parts per Billion, (%) = Percent, (mg/g) = Colony Forming Unit per Gram (cfu/g) = Colony Forming Unit per Gram, LOD = Limit of Detection, (ug/g) = Microgram per Gram (ppm) = Parts per Million, (ppm) = (ug/g), (ug) = ug (mass ratio) = Area Ratio, (mg/kg) = Milligram per Kilogram, *Measurement of Uncertainty = +/- 10%

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Certificate of Analysis

R&D

Batch # 110521CQ	Test Reg State: Oregon		
Batch Date: 2021-11-05			
Extracted From: Hemp			
Beverly Hills, CA 90212			
Order # DRG211105-030001	Sampling Date: 2021-11-09	Initial Gross Weight: 19.177 g	Number of Units: 1
Order Date: 2021-11-05	Lab Batch Date: 2021-11-09	Net Weight: 12.777 g	Net Weight per Unit: 13119.000 mg
Sample # AAC0541	Completion Date: 2021-11-15		



Terpenes

Specimen Weight: 207.280 mg

Tested
(GC/GCMS)

Dilution Factor: 30.000

Analyte	LOQ (%)	Result (mg/g)	(%)	Analyte	LOQ (%)	Result (mg/g)	(%)
trans-Caryophyllene	0.02	18.232	1.823	alpha-Bisabolol	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	
Geranyl acetate	0.02	<LOQ		Guaiol	0.02	<LOQ	
Isoborneol	0.02	<LOQ		Isopulegol	0.02	<LOQ	
Linalool	0.02	<LOQ		(+)-Cedrol	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 Terpinol	0.02	<LOQ	
Geraniol	0.02	<LOQ		Fenchone	0.02	<LOQ	
Gamma-Terpinene	0.02	<LOQ		3-Carene	0.02	<LOQ	
alpha-Cedrene	0.02	<LOQ		alpha-Phellandrene	0.02	<LOQ	
alpha-Pinene	0.02	<LOQ		alpha-Terpinene	0.02	<LOQ	
beta-Pinene	0.02	<LOQ		Fenchyl Alcohol	0.02	<LOQ	
Borneol	0.04	<LOQ		Camphene	0.02	<LOQ	
Camphor	0.04	<LOQ		Caryophyllene oxide	0.02	<LOQ	
cis-Nerolidol	0.02	<LOQ		Eucalyptol	0.02	<LOQ	
(R)-(+)-Limonene	0.02	<LOQ		Valencene	0.02	<LOQ	

Total Terpenes: 2.709%

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

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



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Certificate of Analysis

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Beverly Hills, CA 90212

Batch # 1105210Q
Batch Date: 2021-11-05
Extracted From: Hemp

Test Reg State: Oregon

Order # DRG21105-030001
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

Heavy Metals

Specimen Weight: 251.400 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	226.000	Mercury (Hg)	100	3000	<LOQ

Mycotoxins

Specimen Weight: 109.850 mg

Passed
(LCMS)

Dilution Factor: 7.507

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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Anna Sun
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Batch # 11052100	Test Reg State: Oregon
Batch Date: 2021-11-05	Extracted From: Hemp
Order # DR211105-030001	Sampling Date: 2021-11-09
Order Date: 2021-11-05	Lab Batch Date: 2021-11-09
Sample # AAC0541	Completion Date: 2021-11-15
Initial Gross Weight: 19.177 g	Number of Units: 1
Net Weight: 12.777 g	Net Weight per Unit: 13119.000 mg

Moisture

Net Weight: 12.777 g

Tested
(Moisture Meter)

Dilution Factor: 1.000

Analyte	Action Level (%)	Result (%)
Moisture	15	6.010

Listeria Monocytogenes

Specimen Weight: 964.090 mg

Passed
(qPCR)

Dilution Factor: 1.000

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

Pathogenic SAE (qPCR)

Specimen Weight: 278.900 mg

Passed
(qPCR)

Dilution Factor: 1.000

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

Xueli Guo
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Lab Toxicologist

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



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