



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

Certificate of Analysis

R&D

Dr. Gao
9190 W. Olympic Blvd
Beverly Hills, CA 90212

Batch # 110521CR
Batch Date: 2021-11-05
Extracted From: Hemp

Test Reg State: Oregon

Order # DRG211105-030001
Order Date: 2021-11-05
Sample # AACD542

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

Initial Gross Weight: 18.162 g
Net Weight: 11.762 g

Number of Units: 1
Net Weight per Unit: 12130.000 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: 209.290 mg

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/g)	(%)
CBD	15.000	0.000054	0.001	8.765	0.877
THCA-A	15.000	0.000032	0.001	6.334	0.633
CBGA	15.000	0.00008	0.001	4.048	0.405
CBC	15.000	0.000018	0.001	2.710	0.271
Delta-9 THC	15.000	0.000013	0.001	1.065	0.107
CBG	15.000	0.000248	0.001	0.865	0.086
Delta-8 THC	15.000	0.000026	0.001	<LOQ	<LOQ
THCV	15.000	0.000007	0.001	<LOQ	<LOQ
CBN	15.000	0.000014	0.001	<LOQ	<LOQ
CBDV	15.000	0.000065	0.001	<LOQ	<LOQ

Tested (HPLC/LCMS)

Potency Summary

0.662% Total THC	80.301mg	17.575% Total CBD	2,131.848mg
0.441% Total CBG	53.493mg	Total CBN None Detected	
0.271% Other Cannabinoids	32.872mg	Total Cannabinoids 2,298.514mg	

Terpenes Summary

Analyte	Result (mg/g)	(%)
trans-Caryophyllene	9.483	0.948%
Farnesene	3.454	0.345%
alpha-Bisabolol	1.378	0.138%
alpha-Humulene	1.015	0.101%
Guaiol	0.812	0.081%
beta-Myrcene	0.5	0.05%

Total Terpenes: 1.663%

Detailed Terpenes Analysis is on the following page

Xueli Gao
Lab Toxicologist
Ph.D., DABT

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



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Net Weight: 11.762 g

Number of Units: 1
Net Weight per Unit: 12130.000 mg



Terpenes

Specimen Weight: 209.290 mg

Tested
(GC/MS)

Dilution Factor: 30.000

Analyte	LOQ (%)	Result (mg/g)	(%)	Analyte	LOQ (%)	Result (mg/g)	(%)
trans-Caryophyllene	0.02	9.483	0.948	Farnesene	0.02	3.454	0.345
alpha-Bisabolol	0.02	1.378	0.138	alpha-Humulone	0.02	1.015	0.101
Guaiol	0.02	0.812	0.081	beta-Myrcene	0.02	0.509	0.050
Octenene	0.014	<LOQ		Geranyl acetate	0.02	<LOQ	
Hexahydrothymol	0.02	<LOQ		Isoborneol	0.02	<LOQ	
Isopulegol	0.02	<LOQ		Linalool	0.02	<LOQ	
Neol	0.02	<LOQ		(+)-Cedrol	0.02	<LOQ	
Pulegone	0.02	<LOQ		Sabinene	0.02	<LOQ	
Sabinene Hydrate	0.02	<LOQ		Terpinolene	0.02	<LOQ	
Total Terpinol	0.02	<LOQ		trans-Nerolidol	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-Pinellandrene	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: 1.663%

Xuefeng Guo Lab Technologist
Ph.D., DABT

Alex Sun Lab Director/Principal Scientist
Ph.D., M.Sc., B.Sc., M.T. (AAB)



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Certificate of Analysis

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Batch # 110521CR Batch Date: 2021-11-05 Extracted From: Hemp	Test Reg State: Oregon
Order # DRG211105-030001 Order Date: 2021-11-05 Sample # AAC0542	Sampling Date: 2021-11-09 Lab Batch Date: 2021-11-09 Completion Date: 2021-11-15
Initial Gross Weight: 18.162 g Net Weight: 11.762 g	Number of Units: 1 Net Weight per Unit: 12130.000 mg

Heavy Metals Passed (ICP-MS)

Specimen Weight: 253.100 mg

Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Arsenic (As)	100	1500	<LOQ	Calcium (Cd)	100	500	<LOQ
Lead (Pb)	100	500	169.500	Mercury (Hg)	100	3000	<LOQ

Mycotoxins Passed (LCMS)

Specimen Weight: 166.980 mg

Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Aflatoxin B1	5	20	<LOQ	Aflatoxin G2	5	20	<LOQ
Aflatoxin G1	5	20	<LOQ	Aflatoxin G2	5	20	<LOQ
Ochratoxin A	12	20	<LOQ				

Michael Gao Lab Technologist
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Number of Units: 1
Net Weight per Unit: 12130.000 mg



Pesticides

Specimen Weight: 166.980 mg

Passed
(LCMS/GCMS)

Dilution Factor: 8.983

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	Clofentazine	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	Fonicamid	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
Metaxyl	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	Paclotrazol	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

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



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Beverly Hills, CA 90212



Moisture

Net Weight: 11.762 g

Dilution Factor: 1.000

Analyte	Action Level (%)	Result (%)
Moisture	15	4.870

Tested
(Moisture Meter)



Listeria Monocytogenes

Specimen Weight: 977.950 mg

Dilution Factor: 1.000

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

Passed
(qPCR)



Pathogenic SAE (qPCR)

Specimen Weight: 230.600 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

Passed
(qPCR)

Xueli Guo
Xueli Guo
Ph.D., DABT
Lab Toxicologist

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



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