



DEA No. RA0571996
FL License # CMTL-0003
CLIA No. 10D1094068

Certificate of Analysis

Compliance Test

COVERT

ASHEVILLE, NC 28801

Batch # PRD8OGL0522
Batch Date: 2022-05-09
Extracted From: Hemp

Sampling Method: MSP 7.3.1
Test Reg State: Florida

Order # COV220509-040001
Order Date: 2022-05-09
Sample # AACU631

Sampling Date: 2022-05-15
Lab Batch Date: 2022-05-15
Completion Date: 2022-05-18

Initial Gross Weight: 29.290 g
Net Weight: 14.290 g

Number of Units: 5
Net Weight per Unit: 2858.000 mg



Product Image

Acetic Anhydride Tested	Potency Tested	Terpenes Tested	Heavy Metals Passed	Mycotoxins Passed
Pesticides Passed	Residual Solvents Passed	Listeria Monocytogenes Passed	Pathogenic Passed	

Potency 21 (LCUV)
Specimen Weight: 197.900 mg

Tested (LCUV)

Pieces For Panel: 2

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/g)	(%)
CBDA	1500.000	0.00001	0.0015	137.9000	13.7900
Delta-8 THC	150.000	0.000026	0.0015	69.1400	6.9140
CBD	1500.000	0.000054	0.0015	34.1700	3.4170
Delta-8 THC-O Acetate	150.000	0.000027	0.0003	30.2600	3.0260
CBCA	15.000	0.000107	0.0015	5.7960	0.5796
THCA	15.000	0.000032	0.0015	2.6620	0.2662
CBC	15.000	0.000018	0.0015	2.5870	0.2587
CBGA	15.000	0.000008	0.0015	2.3700	0.2370
CBNA	15.000	0.000095	0.0015	1.8160	0.1816
Delta-9 THC-O Acetate	15.000	0.000077	0.0003	1.2570	0.1257
CBG	15.000	0.000248	0.0015	1.0400	0.1040
CBT	15.000	0.0002	0.0015	0.9100	0.0910
CBN	15.000	0.000014	0.0015	0.4010	0.0401
CBDVA	15.000	0.000014	0.0015	0.3760	0.0376
CBL	15.000	0.000035	0.0015	0.2030	0.0203
THCV	15.000	0.000007	0.0015	<LOQ	<LOQ
THCVA	15.000	0.000047	0.0015	<LOQ	<LOQ
Exo-THC	15.000	0.00023	0.0015	<LOQ	<LOQ
Delta-8 THCv	15.000	0.00004	0.0015	<LOQ	<LOQ
CBDV	15.000	0.000065	0.0015	<LOQ	<LOQ
Delta-9 THC	15.000	0.000013	0.0015	<LOQ	<LOQ

Potency Summary

Total THC 0.233%	6.660mg	Total CBD 15.511%	443.300mg
Total CBG 0.312%	8.920mg	Total CBN 0.199%	5.690mg
Other Cannabinoids 10.977%	313.720mg	Total Cannabinoids 27.232%	778.290mg

Terpenes Summary

Analyte	Result (mg/g)	(%)
trans-Caryophyllene	4.143	0.414%
alpha-Bisabolol	2.16	0.216%
Farnesene	1.672	0.167%
alpha-Humulene	1.366	0.137%
Guaiol	1.01	0.101%
beta-Myrcene	0.894	0.089%
alpha-Pinene	0.449	0.045%
Caryophyllene oxide	0.353	0.035%

Total Terpenes: 1.204%

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)



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), *Total THC-O-Acetate = Delta 8 THC-O-Acetate + Delta 9 THC-O-Acetate, *Other Cannabinoids Total = Total Cannabinoids - All the listed cannabinoids on the summary section, *Total Detected Cannabinoids = Delta6a10a-THC + 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, *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%



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ASHEVILLE, NC 28801 Batch Date: 2022-05-09 Test Reg State: Florida
Extracted From: Hemp

Order # COV220509-040001 Sampling Date: 2022-05-15 Initial Gross Weight: 29.290 g Number of Units: 5
Order Date: 2022-05-09 Lab Batch Date: 2022-05-15 Net Weight: 14.290 g Net Weight per Unit: 2858.000 mg
Sample # AACU631 Completion Date: 2022-05-18

Terpenes

Specimen Weight: 196.900 mg

Tested
(GC/GCMS)

Dilution Factor: 30.000

Analyte	LOQ (%)	Result (mg/g)	(%)	Analyte	LOQ (%)	Result (mg/g)	(%)
trans-Caryophyllene	0.002	4.143	0.414	trans-Nerolidol	0.002	<LOQ	<LOQ
alpha-Bisabolol	0.002	2.160	0.216	Hexahydrothymol	0.002	<LOQ	<LOQ
Farnesene	0.002	1.672	0.167	Fenchyl Alcohol	0.002	<LOQ	<LOQ
alpha-Humulene	0.002	1.366	0.137	Geranyl acetate	0.002	<LOQ	<LOQ
Guaiol	0.002	1.010	0.101	Geraniol	0.002	<LOQ	<LOQ
beta-Myrcene	0.002	0.894	0.089	Gamma-Terpinene	0.002	<LOQ	<LOQ
alpha-Pinene	0.002	0.449	0.045	(R)-(+)-Limonene	0.002	<LOQ	<LOQ
Caryophyllene oxide	0.002	0.353	0.035	Fenchone	0.002	<LOQ	<LOQ
(+)-Cedrol	0.002	<LOQ	<LOQ	Eucalyptol	0.002	<LOQ	<LOQ
Isoborneol	0.002	<LOQ	<LOQ	cis-Nerolidol	0.002	<LOQ	<LOQ
Isopulegol	0.002	<LOQ	<LOQ	Camphors	0.006	<LOQ	<LOQ
Linalool	0.002	<LOQ	<LOQ	Camphene	0.002	<LOQ	<LOQ
Nerol	0.002	<LOQ	<LOQ	Borneol	0.004	<LOQ	<LOQ
Sabinene Hydrate	0.002	<LOQ	<LOQ	beta-Pinene	0.002	<LOQ	<LOQ
Ocimene	0.000	<LOQ	<LOQ	alpha-Terpinene	0.002	<LOQ	<LOQ
Pulegone	0.002	<LOQ	<LOQ	alpha-Phellandrene	0.002	<LOQ	<LOQ
Sabinene	0.002	<LOQ	<LOQ	alpha-Cedrene	0.002	<LOQ	<LOQ
Terpinolene	0.002	<LOQ	<LOQ	3-Carene	0.002	<LOQ	<LOQ
Total Terpeneol	0.001	<LOQ	<LOQ	Valencene	0.002	<LOQ	<LOQ

Total Terpenes: 1.204%

Mycotoxins

Specimen Weight: 268.200 mg

Passed
(LCMS)

Heavy Metals

Specimen Weight: 246.390 mg

Passed
(ICP-MS)

Dilution Factor: 5.593

Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Aflatoxin B1	6	20	<LOQ	Aflatoxin G2	6	20	<LOQ	Arsenic (As)	100	1500	<LOQ
Aflatoxin B2	6	20	<LOQ	Ochratoxin A	12	20	<LOQ	Cadmium (Cd)	100	500	<LOQ
Aflatoxin G1	6	20	<LOQ					Lead (Pb)	100	500	<LOQ
								Mercury (Hg)	100	3000	<LOQ

Xueli Gao
Ph.D., DABT
Lab Toxicologist

Aixia Sun
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Lab Director/Principal Scientist



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Net Weight: 14.290 g

Number of Units: 5
Net Weight per Unit: 2858.000 mg

Pesticides FL V4
Specimen Weight: 268.200 mg

Passed
(LCMS/GCMS)

Dilution Factor: 5.593

Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Abamectin	28.23	300	<LOQ	Fludioxonil	48	3000	<LOQ
Acephate	30	3000	<LOQ	Hexythiazox	30	2000	<LOQ
Acequinocyl	48	2000	<LOQ	Imazalil	30	100	<LOQ
Acetamiprid	30	3000	<LOQ	Imidacloprid	30	3000	<LOQ
Aldicarb	30	100	<LOQ	Kresoxim Methyl	30	1000	<LOQ
Azoxystrobin	10	3000	<LOQ	Malathion	30	2000	<LOQ
Bifenazate	30	3000	<LOQ	Metaxyl	10	3000	<LOQ
Bifenthrin	30	500	<LOQ	Methiocarb	30	100	<LOQ
Boscalid	10	3000	<LOQ	Methomyl	30	100	<LOQ
Captan	30	3000	<LOQ	methyl-Parathion	10	100	<LOQ
Carbaryl	10	500	<LOQ	Mevinphos	10	100	<LOQ
Carbofuran	10	100	<LOQ	Myclobutanil	30	3000	<LOQ
Chlorantraniliprole	10	3000	<LOQ	Naled	30	500	<LOQ
Chlor dane	10	100	<LOQ	Oxamyl	30	500	<LOQ
Chlorfenapyr	30	100	<LOQ	Paclitaxel	30	100	<LOQ
Chloromequat Chloride	10	3000	<LOQ	Pentachloronitrobenzene	10	200	<LOQ
Chlorpyrifos	30	100	<LOQ	Permethrin	30	1000	<LOQ
Clofentezine	30	500	<LOQ	Phosmet	30	200	<LOQ
Coumaphos	48	100	<LOQ	Piperonylbutoxide	30	3000	<LOQ
Cyfluthrin	30	1000	<LOQ	Prallethrin	30	400	<LOQ
Cypermethrin	30	1000	<LOQ	Propiconazole	30	1000	<LOQ
Daminozide	30	100	<LOQ	Propoxur	30	100	<LOQ
Diazinon	30	200	<LOQ	Pyrethrins	30	1000	<LOQ
Dichlorvos	30	100	<LOQ	Pyridaben	30	3000	<LOQ
Dimethoate	30	100	<LOQ	Spinetoram	10	3000	<LOQ
Dimethomorph	48	3000	<LOQ	Spinosad	30	3000	<LOQ
Ethoprophos	30	100	<LOQ	Spiromesifen	30	3000	<LOQ
Etofenprox	30	100	<LOQ	Spirotetramat	30	3000	<LOQ
Etoxazole	30	1500	<LOQ	Spiroxamine	30	100	<LOQ
Fenhexamid	10	3000	<LOQ	Tebuconazole	30	1000	<LOQ
Fenoxycarb	30	100	<LOQ	Thiacloprid	30	100	<LOQ
Fenpyroximate	30	2000	<LOQ	Thiamethoxam	30	1000	<LOQ
Fipronil	30	100	<LOQ	Trifloxystrobin	30	3000	<LOQ
Fonicamid	30	2000	<LOQ				

Residual Solvents - FL (CBD)
Specimen Weight: 152.500 mg

Passed
(GCMS)

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	Heptane	1.39	5000	<LOQ
1,2-Dichloroethane	0.04	5	<LOQ	Hexane	1.17	290	<LOQ
Acetone	2.08	5000	<LOQ	Isopropyl alcohol	1.39	500	<LOQ
Acetonitrile	1.17	410	<LOQ	Methanol	0.69	3000	<LOQ
Benzene	0.02	2	<LOQ	Methylene chloride	2.43	600	<LOQ
Butanes	2.5	2000	<LOQ	Pentane	2.08	5000	<LOQ
Chloroform	0.04	60	<LOQ	Propane	5.83	2100	<LOQ
Ethanol	2.78	5000	Passed	Toluene	2.92	890	<LOQ
Ethyl Acetate	1.11	5000	Passed	Total Xylenes	2.92	2170	<LOQ
Ethyl Ether	1.39	5000	<LOQ	Trichloroethylene	0.49	80	<LOQ
Ethylene Oxide	0.1	5	<LOQ				

Pathogenic SAE (qPCR)
Specimen Weight: 252.370 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	Salmonella	1	Absence in 1g
E.Coli	1	Absence in 1g			

Acetic Anhydride
Specimen Weight: 50.900 mg

Tested
(GCMS)

Dilution Factor: 1.000

Analyte	LOQ (ppm)	Result (ppm)
Acetic Anhydride	2.6	<LOQ

Listeria Monocytogenes
Specimen Weight: 1012.890 mg

Passed
(qPCR)

Dilution Factor: 1.000

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

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Lab Toxicologist

Aixia Sun
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