



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

Certificate of Analysis

Compliance Test

Laurelcrest Labs
2800 Pringle Rd. SE
#160
Salem, OR 97302

Batch # 220516-01
Batch Date: 2022-05-18
Extracted From: Industrial Hemp

Sampling Method: MSP 7.3.1
Test Reg State: Florida

Production Facility: Laurelcrest Labs
Production Date: 2022-05-18

Order # LAU220518-060001
Order Date: 2022-05-18
Sample # AACV631

Sampling Date: 2022-05-19
Lab Batch Date: 2022-05-19
Completion Date: 2022-05-24

Initial Gross Weight: 30.962 g



Product Image

Potency Tested
 Heavy Metals Passed
 Mycotoxins Passed
 Pesticides Passed
 Residual Solvents Passed
 Microbiology Petrifilm Passed
 Pathogenic Passed

Potency 21 (LCUV)

Specimen Weight: 51.710 mg

Tested (LCUV)

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/g)	(%)
CBD	1000.000	0.000054	0.0015	560.8000	56.0800
CBT	100.000	0.0002	0.0015	57.5900	5.7590
CBC	100.000	0.000018	0.0015	55.2200	5.5220
CBN	100.000	0.000014	0.0015	32.2400	3.2240
CBG	10.000	0.000248	0.0015	10.8700	1.0870
CBDV	10.000	0.000065	0.0015	9.8680	0.9868
CBL	10.000	0.000035	0.0015	7.0050	0.7005
CBNA	10.000	0.000095	0.0015	1.6330	0.1633
CBGA	10.000	0.00008	0.0015	1.2940	0.1294
THCVA	10.000	0.000047	0.0015	0.5760	0.0576
CBDA	10.000	0.00001	0.0015	<LOQ	
THCA	10.000	0.000032	0.0015	<LOQ	
CBDVA	10.000	0.000014	0.0015	<LOQ	
THCV	10.000	0.000007	0.0015	<LOQ	
Exo-THC	10.000	0.00023	0.0015	<LOQ	
Delta-9 THC-O Acetate	10.000	0.000077	0.0003	<LOQ	
CBCA	10.000	0.000107	0.0015	<LOQ	
Delta-8 THC	10.000	0.00004	0.0015	<LOQ	
Delta-8 THC-O Acetate	10.000	0.000027	0.0003	<LOQ	
Delta-8 THC	10.000	0.000026	0.0015	<LOQ	
Delta-9 THC	10.000	0.000013	0.0015	<LOQ	

Potency Summary

Total THC None Detected	Total CBD 56.080%
Total CBG 1.200%	Total CBN 3.367%
Other Cannabinoids 13.018%	Total Cannabinoids 73.666%

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), *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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Sample # AACV631

Sampling Date: 2022-05-19
Lab Batch Date: 2022-05-19
Completion Date: 2022-05-24

Initial Gross Weight: 30.962 g

Pesticides FL V4

Specimen Weight: 270.600 mg

Dilution Factor: 5.543

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	Metalaxyl	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
Chlorfanepr	30	100	<LOQ	Oxamyl	30	500	<LOQ
Chlorpyrifos	30	100	<LOQ	Paclolbutrazol	30	100	<LOQ
Chlorpyrifos 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				

Passed
(LCMS/GCMS)

Residual Solvents - FL (CBD)

Specimen Weight: 171.600 mg

Dilution Factor: 500.000

Analyte	LOQ (ppm)	Action Level (ppm)	Result (ppm)	Analyte	LOQ (ppm)	Action Level (ppm)	Result (ppm)
1,1-Dichloroethene	0.16	8	ND	Heptane	1.39	5000	ND
1,2-Dichloroethane	0.04	5	ND	Hexane	1.17	290	ND
Acetone	2.08	5000	ND	Isopropyl alcohol	1.39	500	ND
Acetonitrile	1.17	410	ND	Methanol	0.69	3000	ND
Benzene	0.02	2	ND	Methylene chloride	2.43	600	ND
Butanes	2.5	2000	ND	Pentane	2.08	5000	ND
Chloroform	0.04	60	ND	Propane	5.83	2100	ND
Ethanol	2.78	5000	ND	Toluene	2.92	890	ND
Ethyl Acetate	1.11	5000	ND	Total Xylenes	2.92	2170	ND
Ethyl Ether	1.39	5000	ND	Trichloroethylene	0.49	80	ND
Ethylene Oxide	0.1	5	ND				

Passed
(GCMS)

Mycotoxins

Specimen Weight: 270.600 mg

Dilution Factor: 5.543

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
Aflatoxin B2	6	20	<LOQ	Ochratoxin A	12	20	<LOQ
Aflatoxin G1	6	20	<LOQ				

Passed
(LCMS)

Heavy Metals

Specimen Weight: 249.470 mg

Dilution Factor: 200

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

Passed
(ICP-MS)

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

Aixia Sun
Aixia Sun Lab Director/Principal Scientist
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Initial Gross Weight: 30.962 g

Pathogenic SE (qPCR) **Passed**
(qPCR)
Specimen Weight: 245.170 mg

Dilution Factor: 1.000

Analyte	Action Level (cfu/g)	Result (cfu/g)	Analyte	Action Level (cfu/g)	Result (cfu/g)
E.Coli	1	Absence in 1g	Salmonella	1	Absence in 1g

Microbiology (Petrifilm) **Passed**
(Petrifilm)
Specimen Weight: 991.900 mg

Dilution Factor: 1.000

Analyte	LOQ (cfu/g)	Action Level (cfu/g)	Result (cfu/g)	Analyte	LOQ (cfu/g)	Action Level (cfu/g)	Result (cfu/g)
Aerobic Bacteria	10	1000	<10	Yeast/Mold	10	100	<10

Xueli Gao
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Lab Toxicologist

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