



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

Certificate of Analysis

Compliance Test

Laurelcrest Labs
2800 Pringle Rd. SE
Salem, OR 97302

Batch # POD020321
Batch Date: 2021-02-03
Extracted From: HEMP

Sampling Method: MSP 7.3.1 Test Reg
State: Oregon

Order # LAU210203-020011
Order Date: 2021-02-03
Sample # AAAY860

Sampling Date: 2021-02-05
Lab Batch Date: 2021-02-05
Completion Date: 2021-02-11

Initial Gross Weight: 27.107 g



Product Image

Potency
Tested

Residual
Solvents
Passed

Terpenes
Tested

Listeria
Monocytogenes
Passed

Heavy Metals
Passed

Pathogenic
Passed

Mycotoxins
Passed

Pesticides
Passed



Potency - 20

Specimen Weight: 57.410 mg

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/g)	(%)
CBD	10.000	0.000054	0.001	788.600	78.860
CBT	10.000	0.0002	0.001	28.570	2.857
CBC	10.000	0.000018	0.001	18.270	1.827
CBDA	10.000	0.00001	0.001	9.059	0.906
CBN	10.000	0.000014	0.001	8.356	0.836
CBG	10.000	0.000248	0.001	8.074	0.807
CBDV	10.000	0.000065	0.001	5.838	0.584
CBL	10.000	0.000035	0.001	2.535	0.254
CBGA	10.000	0.00008	0.001	<LOQ	
CBDVA	10.000	0.000014	0.001	<LOQ	
THCA-A	10.000	0.000032	0.001	<LOQ	
THCA	10.000	0.000047	0.001	<LOQ	
THCV	10.000	0.000007	0.001	<LOQ	
Exo-THC	10.000	0.0002	0.001	<LOQ	
Delta-9 THC	10.000	0.000013	0.001	<LOQ	
CBGA	10.000	0.000107	0.001	<LOQ	
Delta-8 THC	10.000	0.000026	0.001	<LOQ	
Delta-10 THC	10.000	0.000003	0.001	<LOQ	
CBNA	10.000	0.000095	0.001	<LOQ	
Delta-8 THCV	10.000	0.0002	0.001	<LOQ	

Tested
(HPLC)



Potency Summary

Total CBD
79.654%

Total THC
None Detected

Total CBG
0.807%

Total CBN
0.836%

Other Cannabinoids
5.268%

Total Cannabinoids
86.565%



Terpenes Summary

Analyte Result (mg/ml) (%)

Total Terpenes: 0%

Detailed Terpenes Analysis is on the following page

Xueli Gao Lab Toxicologist
Ph.D., DABT

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



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Terpenes - FL

Specimen Weight: 47.020 mg

Tested
(GC)

Dilution Factor: 1.000

Analyte	LOQ (%)	Result (mg/g)	(%)	Analyte	LOQ (%)	Result (mg/g)	(%)
(+)-Cedrol	0.02	<LOQ		Nerol	0.02	<LOQ	
Geraniol	0.02	<LOQ		Geranyl acetate	0.02	<LOQ	
Guaiol	0.02	<LOQ		Hexahydrothymol	0.02	<LOQ	
Isoborneol	0.02	<LOQ		Isopulegol	0.02	<LOQ	
Linalool	0.02	<LOQ		Ocimene	0.014	<LOQ	
Fenchyl Alcohol	0.02	<LOQ		Pulegone	0.02	<LOQ	
Sabinene	0.02	<LOQ		Sabinene Hydrate	0.02	<LOQ	
Terpineol	0.02	<LOQ		Terpinolene	0.02	<LOQ	
trans-Caryophyllene	0.02	<LOQ		trans-Nerolidol	0.02	<LOQ	
Gamma-Terpinene	0.02	<LOQ		Fenchone	0.02	<LOQ	
(R)-(+)-Limonene	0.02	<LOQ		alpha-Terpinene	0.02	<LOQ	
3-Carene	0.02	<LOQ		alpha-Bisabolol	0.02	<LOQ	
alpha-Cedrene	0.02	<LOQ		alpha-Humulene	0.02	<LOQ	
alpha-Phellandrene	0.02	<LOQ		alpha-Pinene	0.02	<LOQ	
Farnesene	0.02	<LOQ		beta-Myrcene	0.02	<LOQ	
beta-Pinene	0.02	<LOQ		Borneol	0.04	<LOQ	
Camphene	0.02	<LOQ		Camphors	0.04	<LOQ	
Caryophyllene oxide	0.02	<LOQ		cis-Nerolidol	0.02	<LOQ	
Eucalyptol	0.02	<LOQ		Valencene	0.02	<LOQ	

Total Terpenes: 0%

Xueli Gao
Ph.D., DABT
Lab Toxicologist

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



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Heavy Metals

Specimen Weight: 246.600 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	<LOQ	Mercury (Hg)	100	3000	<LOQ
Total Contaminant Load (TCL) None Detected							



Mycotoxins

Specimen Weight: 173.230 mg

Passed
(LCMS)

Dilution Factor: 8.659

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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Sample # AAAY860

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Initial Gross Weight: 27.107 g



Pesticides

Specimen Weight: 173.230 mg

Passed
(LCMS/GCMS)

Dilution Factor: 8.659

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	Acetamidiprid	30	3000	<LOQ
Aldicarb	30	100	<LOQ	Azoxystrobin	10	3000	<LOQ
Bifenthrin	30	3000	<LOQ	Bifenthrin	30	500	<LOQ
Carbaryl	10	500	<LOQ	Chlorfenapyr	48	100	<LOQ
Chlorpyrifos	30	100	<LOQ	Clofentezine	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
Ethionphos	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	Flonicamid	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
Metaxalyl	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	Paclobutrazol	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
Total Contaminant Load (TCL)	None Detected						

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Lab Toxicologist

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Residual Solvents - FL (CBD)

Specimen Weight: 113.500 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-Dichloroethene	0.16	8	ND	1,2-Dichloroethane	0.04	5	ND
Acetone	2.08	5000	ND	Acetonitrile	1.17	410	ND
Benzene	0.02	2	ND	Butanes	2.5	2000	ND
Chloroform	0.04	60	ND	Ethanol	2.78	5000	ND
Ethyl Acetate	1.11	5000	ND	Ethyl Ether	1.39	5000	ND
Ethylene Oxide	0.1	5	ND	Heptane	1.39	5000	ND
Hexane	1.17	290	ND	Isopropyl alcohol	1.39	500	ND
Methanol	0.69	3000	ND	Methylene chloride	2.43	600	ND
Pentane	2.08	5000	ND	Propane	5.83	2100	ND
Toluene	2.92	890	ND	Total Xylenes	2.92	2170	ND
Trichloroethylene	0.49	80	ND				



Listeria Monocytogenes

Specimen Weight: 1023.800 mg

Passed
(qPCR)

Dilution Factor: 1.000

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

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Pathogenic SE (qPCR)

Specimen Weight: 235.530 mg

Passed
(qPCR)

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

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