



# CERTIFICATE OF ANALYSIS

Customer: LaurelCrest

Order #: 709842  
 Batch #: N7990A-12051901  
 Order Date: 12/09/2019  
 Collection Date: 12/09/2019  
 Report Date: 01/15/2020

Specimen Type: Extract  
 Description: Full Spectrum Low- T 55% CBD  
 Oil  
 Extracted From: Hemp  
 Method: SOP-3

Initial Gross Weight: 19737.00(mg)  
 Specimen Weight: 93.28(mg)

## Potency - 11

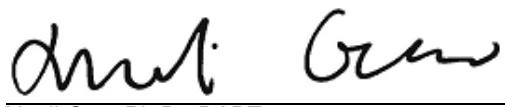
(HPLC)

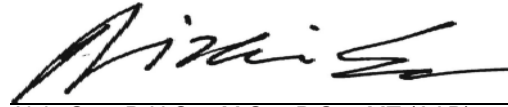
Analyte	Result (mg/g)	(%)	LOQ (%)	Analyte	Result (mg/g)	(%)	LOQ (%)	Analyte	Result (mg/g)	(%)	LOQ (%)
CBC	2.305	0.231	0.001	CBD	521.800	52.180	0.001	CBDA		ND	0.001
CBDV	3.787	0.379	0.001	CBG	0.382	0.038	0.001	CBGA		ND	0.001
CBN		ND	0.001	Delta-8-THC		ND	0.001	Delta-9-THC	1.820	0.182	0.001
THCA-A		ND	0.001	THCV	0.617	0.062	0.001	Total CBD	521.800	52.180	0.001
Total THC	1.820	0.182	0.001								

## Pesticides ( Passed )

(LCMS/MS)

Analyte	Action Level (ppb)	Result (ppb)	LOQ (ppb)	Analyte	Action Level (ppb)	Result (ppb)	LOQ (ppb)	Analyte	Action Level (ppb)	Result (ppb)	LOQ (ppb)
Abamectin	100.000	<LOQ	30.000	Acephate	100.000	<LOQ	30.000	Acequinocyl	100.000	<LOQ	48.000
Acetamiprid	100.000	<LOQ	30.000	Aldicarb	50.000	<LOQ	30.000	Azoxystrobin	50.000	<LOQ	30.000
Bifenazate	100.000	<LOQ	30.000	Bifenthrin	100.000	<LOQ	30.000	Chlorfenapyr	50.000	<LOQ	30.000
Chlorpyrifos	100.000	<LOQ	30.000	Clofentezine	200.000	<LOQ	30.000	Coumaphos	50.000	<LOQ	30.000
Cyfluthrin	100.000	<LOQ	30.000	Cypermethrin	500.000	<LOQ	30.000	Daminozide	500.000	<LOQ	30.000
DDVP(Dichlorvos)	100.000	<LOQ	30.000	Diazinon	50.000	<LOQ	30.000	Dimethoate	50.000	<LOQ	30.000
Dimethomorph	50.000	<LOQ	30.000	Ethoprop(hos)	50.000	<LOQ	30.000	Etofenprox	50.000	<LOQ	30.000
Etoxazole	50.000	<LOQ	30.000	Fenhexamid	100.000	<LOQ	30.000	Fenoxycarb	50.000	<LOQ	30.000
Fipronil	50.000	<LOQ	30.000	Flonicamid	400.000	<LOQ	30.000	Fludioxonil	100.000	<LOQ	30.000
Hexythiazox	250.000	<LOQ	30.000	Imazalil	100.000	<LOQ	30.000	Imidacloprid	100.000	<LOQ	30.000
Kresoxim Methyl	100.000	<LOQ	30.000	Malathion A	200.000	<LOQ	30.000	Metalaxyl	50.000	<LOQ	30.000
Methiocarb	50.000	<LOQ	30.000	Methomyl	100.000	<LOQ	30.000	Mevinphos	50.000	<LOQ	30.000
Myclobutanil	100.000	<LOQ	30.000	Naled	250.000	<LOQ	30.000	Oxamyl	250.000	<LOQ	30.000
Paclobutrazol	50.000	<LOQ	30.000	Parathion-methyl	100.000	<LOQ	30.000	Pentachloronitrobenzene	50.000	<LOQ	30.000
Permethrin	100.000	<LOQ	30.000	Phosmet	100.000	<LOQ	30.000	Piperonylbutoxide	3,000.000	<LOQ	30.000
Prallethrin	100.000	<LOQ	30.000	Propiconazole	100.000	<LOQ	30.000	Propoxur	100.000	<LOQ	30.000
Pyrethrins	500.000	<LOQ	30.000	Pyridaben	200.000	<LOQ	30.000	Spinetoram	200.000	<LOQ	30.000
Spinosyn A	100.000	<LOQ	30.000	Spinosyn D	100.000	<LOQ	30.000	Spiromesifen	100.000	<LOQ	30.000
Spirotetramat	100.000	<LOQ	30.000	Spiroxamine	50.000	<LOQ	30.000	Tebuconazole	50.000	<LOQ	30.000
Thiacloprid	50.000	<LOQ	30.000	Thiamethoxam	50.000	<LOQ	30.000	Trifloxystrobin	100.000	<LOQ	30.000

  
 Xueli Gao, Ph.D., DABT  
 Lab Toxicologist

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

\* Total CBD = CBD + (CBD-A \* 0.877). Total THC = THCA-A \* 0.877 + Delta 9 THC, ND = <LOQ, T-Caryophyllene = Trans-Caryophyllene, <LOQ = Less Than Limit of Quantitation, QNS = Quantity Not Sufficient. (%) = Percent, (ppm) = Parts per Million, (ppb) = Parts per Billion, (µg/Kg) = Microgram per Kilogram, (mg/g) = Milligram per Gram, ppm = (µg/g), ppb = (µg/kg).

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# CERTIFICATE OF ANALYSIS



Customer: LaurelCrest - ,

<b>Order #:</b> 709842	<b>Specimen Type:</b> Extract	<b>Initial Gross Weight:</b> 19737.00(mg)
<b>Batch #:</b> N7990A-12051901	<b>Description:</b> Full Spectrum Low- T 55% CBD Oil	<b>Specimen Weight:</b> 93.28(mg)
<b>Order Date:</b> 12/09/2019		
<b>Collection Date:</b> 12/09/2019	<b>Extracted From:</b> Hemp	
<b>Report Date:</b> 01/15/2020	<b>Method:</b> SOP-3	

### Residual Solvents ( Passed )

								(GC/GCMS)			
Analyte	Action Level (ppm)	Result (ppm)	LOQ (ppm)	Analyte	Action Level (ppm)	Result (ppm)	LOQ (ppm)	Analyte	Action Level (ppm)	Result (ppm)	LOQ (ppm)
Acetone	5,000.000	ND	87.900	Benzene	1.600	ND	1.600	Chloroform	53.000	ND	53.000
Ethanol	5,000.000	ND	26.700	Hexane	60.000	ND	36.600	I-Butane	5,000.000	ND	100.000
Isopropanol	5,000.000	ND	52.300	Methanol	3,000.000	ND	87.900	N-Butane	5,000.000	ND	200.000
Pentane	5,000.000	ND	389.500	Toluene	890.000	ND	38.400				

### Heavy Metals ( Passed )

								(ICP-MS)			
Analyte	Action Level (ppb)	Result (ppb)	LOQ (ppb)	Analyte	Action Level (ppb)	Result (ppb)	LOQ (ppb)	Analyte	Action Level (ppb)	Result (ppb)	LOQ (ppb)
Arsenic (As)	500.000	<LOQ	100.000	Cadmium (Cd)	500.000	<LOQ	100.000	Lead (Pb)	500.000	<LOQ	100.000
Mercury (Hg)	500.000	<LOQ	100.000								

### Mycotoxins ( Passed )

								(LCMS/MS)			
Analyte	Action Level (ppb)	Result (ppb)	LOQ (ppb)	Analyte	Action Level (ppb)	Result (ppb)	LOQ (ppb)	Analyte	Action Level (ppb)	Result (ppb)	LOQ (ppb)
Aflatoxin B1		<LOQ	6.000	Aflatoxin B2		<LOQ	6.000	Aflatoxin G1		<LOQ	6.000
Aflatoxin G2		<LOQ	6.000	Aflatoxin Total	20.000	<LOQ	6.000	Ochratoxin A	20.000	<LOQ	12.000

### Pathogenic ( Passed )

				(qPCR)	
Analyte	Result				
Listeria	Absence				


### Filth and Foreign Material ( Passed )

						(Electronic Balance)		
Analyte	Action Level (area ratio)	Result (area ratio)	Analyte	Action Level (mg/Kg)	Result (mg/Kg)	Analyte	Action Level (%)	Result (%)
Covered Area	0.250	0.000	Feces	0.500	0.000	Weight %	5.000	0.000

### Pathogenic Microbiology (qPCR) ( Passed )

				(qPCR)	
Analyte	Remark	Analyte	Remark	Analyte	Remark
Aspergillus (Flavus, Fumigatus, Niger, Terreus)	Absence	Salmonella	Absence	STEC	Absence

  
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