



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

Certificate of Analysis

Compliance Test

**PANTHER CITY
PROCESSING**
11842 S SOONER RD
EDMOND, OK 73034

Batch # 27APR21.CV1GSA
Batch Date: 2021-04-27
Extracted From: hemp

Sampling Method: MSP 7.3.1 Test Reg
State: Florida

Order # PAN210506-120056
Order Date: 2021-05-06
Sample # AABH792

Sampling Date: 2021-05-11
Lab Batch Date: 2021-05-11
Completion Date: 2021-05-19

Initial Gross Weight: 180.544 g
Net Weight: 14.364 g

Number of Units: 14
Net Weight per Unit: 1026.000 mg



Terpenes - FL

Specimen Weight: 181.560 mg

Tested
(GC/GCMS)

Dilution Factor: 1000.000

Analyte	LOQ (%)	Result (mg/g)	(%)	Analyte	LOQ (%)	Result (mg/g)	(%)
beta-Myrcene	0.02	4.422	0.442	Terpinolene	0.02	2.839	0.284
trans-Caryophyllene	0.02	2.336	0.234	alpha-Pinene	0.02	1.373	0.137
alpha-Humulene	0.02	1.309	0.131	alpha-Bisabolol	0.02	1.254	0.125
Linalool	0.02	1.234	0.123	(R)-(+)-Limonene	0.02	1.203	0.120
Ocimene	0.014	0.579	0.058	Hexahydrothymol	0.02	<LOQ	
Isoborneol	0.02	<LOQ		Isopulegol	0.02	<LOQ	
Nerol	0.02	<LOQ		(+)-Cedrol	0.02	<LOQ	
Pulegone	0.02	<LOQ		Sabinene	0.02	<LOQ	
Geranyl acetate	0.02	<LOQ		Sabinene Hydrate	0.02	<LOQ	
Terpineol	0.02	<LOQ		trans-Nerolidol	0.02	<LOQ	
Guaial	0.02	<LOQ		Fenchone	0.02	<LOQ	
Geraniol	0.02	<LOQ		beta-Pinene	0.02	<LOQ	
3-Carene	0.02	<LOQ		alpha-Cedrene	0.02	<LOQ	
alpha-Phellandrene	0.02	<LOQ		alpha-Terpinene	0.02	<LOQ	
Borneol	0.04	<LOQ		Gamma-Terpinene	0.02	<LOQ	
Camphene	0.02	<LOQ		Camphors	0.04	<LOQ	
Caryophyllene oxide	0.02	<LOQ		cis-Nerolidol	0.02	<LOQ	
Eucalyptol	0.02	<LOQ		Farnesene	0.02	<LOQ	
Fenchyl Alcohol	0.02	<LOQ		Valencene	0.02	<LOQ	

Total Terpenes: 1.654%

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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Initial Gross Weight: 180.544 g
Net Weight: 14.364 g

Number of Units: 14
Net Weight per Unit: 1026.000 mg

H Heavy Metals Passed (ICP-MS)

Specimen Weight: 254.310 mg

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

2,3-butanedione (Diacetyl) Passed (GCMS)

Specimen Weight: 12.000 mg

Dilution Factor: 1.000

Analyte	LOQ (ppm)	Result (ppm)
2,3-Butanedione	0.024	<LOQ

Mycotoxins Passed (LCMS)

Specimen Weight: 187.480 mg

Dilution Factor: 8.001

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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Lab Toxicologist

Aixia Sun
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Sample # AABH792

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Net Weight: 14.364 g

Number of Units: 14
Net Weight per Unit: 1026.000 mg

Pesticides FL V4 **Passed**
(LCMS/GCMS)
Specimen Weight: 187.480 mg

Dilution Factor: 8.001

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
Bifentazate	30	3000	<LOQ	Bifenthrin	30	500	<LOQ
Boscalid	10	3000	<LOQ	Captan	30	3000	<LOQ
Carbaryl	10	500	<LOQ	Carbofuran	10	100	<LOQ
Chlorantraniliprole	10	3000	<LOQ	Chlordane	10	100	<LOQ
Chlorfenapyr	30	100	<LOQ	Chlormequat Chloride	10	3000	<LOQ
Chlorpyrifos	30	100	<LOQ	Clofentazine	30	500	<LOQ
Coumaphos	48	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	48	3000	<LOQ
Ethoprophos	30	100	<LOQ	Etofenprox	30	100	<LOQ
Etoxazole	30	1500	<LOQ	Fenhexamid	10	3000	<LOQ
Fenoxycarb	30	100	<LOQ	Fenpyroximate	30	2000	<LOQ
Fipronil	30	100	<LOQ	Flonicamid	30	2000	<LOQ
Fludioxonil	48	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	methyl-Parathion	10	100	<LOQ
Mevinphos	10	100	<LOQ	Myclobutanil	30	3000	<LOQ
Naled	30	500	<LOQ	Oxamyl	30	500	<LOQ
Paclobutrazol	30	100	<LOQ	Pentachloronitrobenzene	10	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	10	3000	<LOQ	Spinosad	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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Initial Gross Weight: 180.544 g
Net Weight: 14.364 g

Number of Units: 14
Net Weight per Unit: 1026.000 mg

Residual Solvents - FL (CBD) Passed (GCMS)

Specimen Weight: 12.000 mg

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

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Pathogenic Microbiology SAE (MicroArray)

Specimen Weight: 1031.620 mg

Passed
(Micro Array)

Dilution Factor: 1.000

Analyte	Result (cfu/g)	Analyte	Result (cfu/g)
Aspergillus flavus	Absence in 1g	Aspergillus fumigatus	Absence in 1g
Aspergillus niger	Absence in 1g	Aspergillus terreus	Absence in 1g
Salmonella	Absence in 1g	STEC E. Coli	Absence in 1g



Listeria Monocytogenes

Specimen Weight: 1007.400 mg

Passed
(qPCR)

Dilution Factor: 1.000

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

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E **Vitamin E (Tocopheryl Acetate)** **Passed**
(LC-MS)

Net Weight: 14.364 g

Analyte	LOQ (ppb)	Result (ppb)
Vitamin E Acetate	10	<LOQ

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