



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.CV1GLM
Batch Date: 2021-04-27
Extracted From: hemp

Sampling Method: MSP 7.3.1 Test Reg
State: Florida

Production Date: 2021-04-27

Order # PAN210506-120056
Order Date: 2021-05-06
Sample # AABH797

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

Initial Gross Weight: 179.100 g
Net Weight: 12.920 g

Number of Units: 14
Net Weight per Unit: 922.857 mg



Product Image



Potency
Tested



Terpenes
Tested



Heavy Metals
Passed



2,3-Butanedione
Passed



Mycotoxins
Passed



Pesticides
Passed



Residual
Solvents
Passed



Pathogenic
Microbiology
Passed



Listeria
Monocytogenes
Passed



Vitamin E
Passed



Delta 8/Delta 10 Potency 12

Tested
(LCUV)

Specimen Weight: 58.640 mg

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/g)	(%)
Delta-8 THC	100.000	0.000026	0.001	734.200	73.420
CBC	100.000	0.000018	0.001	5.462	0.546
Delta-10 THC	1000.000	0.000003	0.001	2.530	0.253
CBDV	100.000	0.000065	0.001		<LOQ
CBDA	100.000	0.00001	0.001		<LOQ
CBGA	100.000	0.00008	0.001		<LOQ
Delta-9 THC	100.000	0.000013	0.001		<LOQ
CBN	100.000	0.000014	0.001		<LOQ
CBD	100.000	0.000054	0.001		<LOQ
THCV	100.000	0.000007	0.001		<LOQ
THCA-A	100.000	0.000032	0.001		<LOQ
CBG	100.000	0.000248	0.001		<LOQ



Potency Summary

73.420% Total Delta 8 677.562mg	0.253% Total Delta 10 2.335mg
Total THC None Detected	Total CBD None Detected
Total CBG None Detected	Total CBN None Detected
0.546% Other Cannabinoids 5.041mg	74.219% Total Cannabinoids 684.937mg



Terpenes Summary

Analyte	Result (mg/ml) (%)
(R)-(+)-Limonene	17.818 1.782%
beta-Pinene	2.975 0.297%
Gamma-Terpinene	1.536 0.154%

Total Terpenes: 2.233%

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)



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Net Weight per Unit: 922.857 mg



Terpenes - FL

Specimen Weight: 165.600 mg

Tested
(GC/GCMS)

Dilution Factor: 1000.000

Analyte	LOQ (%)	Result (mg/g)	(%)	Analyte	LOQ (%)	Result (mg/g)	(%)
(R)-(+)-Limonene	0.02	17.818	1.782	beta-Pinene	0.02	2.975	0.297
Gamma-Terpinene	0.02	1.536	0.154	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
(+)-Cedrol	0.02		<LOQ	Nerol	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	Ocimene	0.014		<LOQ
Fenchone	0.02		<LOQ	Fenchyl Alcohol	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	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: 2.233%

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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H Heavy Metals Passed (ICP-MS)

Specimen Weight: 253.980 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: 11.600 mg

Dilution Factor: 1.000

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

Mycotoxins Passed (LCMS)

Specimen Weight: 198.020 mg

Dilution Factor: 7.575

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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Number of Units: 14
Net Weight per Unit: 922.857 mg

Pesticides FL V4 **Passed**
(LCMS/GCMS)
Specimen Weight: 198.020 mg

Dilution Factor: 7.575

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
Bifenazate	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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Residual Solvents - FL (CBD)

Specimen Weight: 11.600 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	<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	Passed
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: 1043.200 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: 989.400 mg

Passed
(qPCR)

Dilution Factor: 1.000

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

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Vitamin E (Tocopheryl Acetate)

Net Weight: 12.920 g

Passed
(LC-MS)

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

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