



Certificate of Analysis

Compliance Test

Client Information:

HAPPY FRUIT
6500 S. QUEBEC ST.
UNIT 280
CENTENNIAL, CO 80111

Batch # N01630
Batch Date: 2022-03-01
Extracted From: Hemp

Test Reg State: Florida

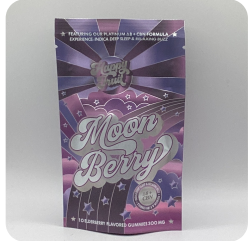
Production Facility: Outpost
Production Date: 2022-03-01

Order # HAP230801-030001
Order Date: 2023-08-01
Sample # AAES860

Sampling Date: 2023-08-04
Lab Batch Date: 2023-08-04
Completion Date: 2023-08-10

Initial Gross Weight: 42.387 g
Net Weight: 37.487 g

Number of Units: 1
Net Weight per Unit: 3748.700 mg



Product Image



Potency
Tested

Potency 25 (LCUV)
Specimen Weight: 1532.900 mg

Tested
SOP13.002 (LCUV)

Pieces For Panel: 10

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/g)	(%)
Delta-8 THC	1000.000	2.60E-5	0.015	7.5180	0.7518
CBN	100.000	1.40E-5	0.015	2.6210	0.2621
Delta-9 THC	10.000	1.30E-5	0.015	0.2870	0.0287
CBC	10.000	1.80E-5	0.015	<LOQ	<LOQ
CBGA	10.000	1.07E-4	0.015	<LOQ	<LOQ
CBD	10.000	5.40E-5	0.015	<LOQ	<LOQ
CBDA	10.000	1.00E-5	0.015	<LOQ	<LOQ
CBDV	10.000	6.50E-5	0.015	<LOQ	<LOQ
CBDVA	10.000	1.40E-5	0.015	<LOQ	<LOQ
CBG	10.000	2.48E-4	0.015	<LOQ	<LOQ
CBGA	10.000	8.00E-5	0.015	<LOQ	<LOQ
CBL	10.000	3.50E-5	0.015	<LOQ	<LOQ
CBNA	10.000	9.50E-5	0.015	<LOQ	<LOQ
CBT	10.000	2.00E-4	0.015	<LOQ	<LOQ
Delta-8 THC-O Acetate	10.000	2.70E-5	0.03	<LOQ	<LOQ
Delta-8 THCV	10.000	4.00E-5	0.015	<LOQ	<LOQ
Delta-9 THC-O Acetate	10.000	7.70E-5	0.03	<LOQ	<LOQ
Delta-8-THCP *	10.000	3.75E-4	0.015	<LOQ	<LOQ
Delta-9-THCP *	10.000	1.17E-5	0.012	<LOQ	<LOQ
Exo-THC	10.000	2.30E-4	0.015	<LOQ	<LOQ
THCA-A	10.000	3.20E-5	0.015	<LOQ	<LOQ
THCB *	10.000	1.80E-4	0.0195	<LOQ	<LOQ
THCH *	10.000	3.50E-4	0.0195	<LOQ	<LOQ
THCV	10.000	7.00E-6	0.015	<LOQ	<LOQ
THCVA	10.000	4.70E-5	0.015	<LOQ	<LOQ
Total Active CBD	10.000			<LOQ	<LOQ
Total Active THC	10.000			0.287	0.029



Potency Summary

Total Active THC 0.029% 1.080mg	Total Active CBD - None Detected
Total CBG - None Detected	Total CBN 0.262% 9.820mg
Other Cannabinoids 0.752% 28.19mg	Total Cannabinoids 1.043% 39.100mg

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 Active CBD = CBD + (CBD-A * 0.877), *Total CBDV = CBDV + (CBDVA * 0.87), Total Active 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 + (CBGA * 0.877), Total THC-O-Acetate = Delta 8 THC-O-Acetate + Delta 9 THC-O-Acetate, Total THCP = Delta-8-THCP + Delta-9-THCP, Other Cannabinoids Total = Total Cannabinoids - All the listed cannabinoids on the summary section, Total Detected Cannabinoids = Delta-8-THC + Delta-9-THC + Total CBN + CBT + CBE + Delta-8-THCV + Total CBG + Total CBD + Total THCV + CBL + Total THC + Total CBC + Total CBDV + Delta-10-THC + Total THC-O-Acetate + Total THCP. (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) = Water Activity, (mg/Kg) = Milligram per Kilogram, ACS uses simple acceptance criteria. Passed - Analyte/microbe is not detected or is at the level below the action limit per FL rule 64ER20-39, 5K-4.036, 5K-4.034. Failed - Analyte/microbe is at the level that equal or above the action limit per FL rule 64ER20-39, 5K-4.036, 5K-4.034 Sample not received via laboratory sampling.

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FL License # CMTL-0003
CLIA No. 10D1094068

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6500 S. QUEBEC ST.
UNIT 280
CENTENNIAL, CO 80111

Batch # N01630
Batch Date: 2022-04-01
Extracted From: Hemp

Sampling Method: MSP 7.3.1
Test Reg State: Florida

Order # HAP220429-010001
Order Date: 2022-04-29
Sample # AACT775

Sampling Date: 2022-05-02
Lab Batch Date: 2022-05-02
Completion Date: 2022-05-08

Initial Gross Weight: 41.616 g
Net Weight: 36.516 g

Number of Units: 1
Net Weight per Unit: 36516.000 mg



Product Image



Potency
Tested



Terpenes
Tested



Heavy Metals
Passed



Mycotoxins
Passed



Pesticides
Passed



Residual Solvents
Passed



Listeria
Monocytogenes
Passed



Pathogenic
Passed



Delta 8/Delta 10 Potency 12

Tested
(LCUV)

Specimen Weight: 1502.300 mg

Analyte	LOD (%)	LOQ (%)	Result (mg/g)	(%)
Delta-8 THC	0.000026	0.001	7.950	0.795
CBN	0.000014	0.001	2.790	0.279
CBC	0.000018	0.001	<LOQ	
CBD	0.000054	0.001	<LOQ	
THCA	0.000032	0.001	<LOQ	
Delta-9 THC	0.000013	0.001	<LOQ	
Delta-10 THC	0.000003	0.001	<LOQ	
CBGA	0.000008	0.001	<LOQ	
CBG	0.000248	0.001	<LOQ	
CBDV	0.000065	0.001	<LOQ	
CBDA	0.000001	0.001	<LOQ	
THCV	0.000007	0.001	<LOQ	



Potency Summary

Total Delta 8 0.795% 290.300mg	Total Delta 10 None Detected
Total THC None Detected	Total CBD None Detected
Total CBG None Detected	Total CBN 0.279% 101.880mg
Other Cannabinoids None Detected	Total Cannabinoids 1.074% 392.180mg



Terpenes Summary

Analyte	Result (mg/g)	(%)
Farnesene	0.08	0.008%
Valencene	0.04	0.004%

Total Terpenes: 0.012%

Detailed Terpenes Analysis is on the following page

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

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



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Extracted From: Hemp

Sampling Method: MSP 7.3.1
Test Reg State: Florida

Order # HAP220429-010001
Order Date: 2022-04-29
Sample # AACT775

Sampling Date: 2022-05-02
Lab Batch Date: 2022-05-02
Completion Date: 2022-05-08

Initial Gross Weight: 41.616 g
Net Weight: 36.516 g

Number of Units: 1
Net Weight per Unit: 36516.000 mg

Terpenes

Specimen Weight: 1887.070 mg

Tested (GC/GCMS)

Dilution Factor: 20.000

Analyte	LOQ (%)	Result (mg/g)	(%)	Analyte	LOQ (%)	Result (mg/g)	(%)
Farnesene	0.002	0.080	0.008	(+)-Cedrol	0.002	<LOQ	
Valencene	0.002	0.040	0.004	(R)-(-)-Limonene	0.002	<LOQ	
Nerol	0.002	<LOQ		alpha-Terpinene	0.002	<LOQ	
Geranyl acetate	0.002	<LOQ		3-Carene	0.002	<LOQ	
Guaiol	0.002	<LOQ		alpha-Bisabolol	0.002	<LOQ	
Hexahydrothymol	0.002	<LOQ		alpha-Cedrene	0.002	<LOQ	
Isoborneol	0.002	<LOQ		alpha-Humulene	0.002	<LOQ	
Isopulegol	0.002	<LOQ		alpha-Phellandrene	0.002	<LOQ	
Linalool	0.002	<LOQ		alpha-Pinene	0.002	<LOQ	
Ocimene	0.000	<LOQ		beta-Myrcene	0.002	<LOQ	
Gamma-Terpinene	0.002	<LOQ		Fenchone	0.002	<LOQ	
Pulegone	0.002	<LOQ		beta-Pinene	0.002	<LOQ	
Sabinene	0.002	<LOQ		Borneol	0.004	<LOQ	
Sabinene Hydrate	0.002	<LOQ		Camphene	0.002	<LOQ	
Terpinolene	0.002	<LOQ		Camphors	0.006	<LOQ	
Total Terpeneol	0.001	<LOQ		Caryophyllene oxide	0.002	<LOQ	
trans-Caryophyllene	0.002	<LOQ		cis-Nerolidol	0.002	<LOQ	
trans-Nerolidol	0.002	<LOQ		Eucalyptol	0.002	<LOQ	
Geraniol	0.002	<LOQ		Fenchyl Alcohol	0.002	<LOQ	

Total Terpenes: 0.012%

Mycotoxins

Specimen Weight: 266.200 mg

Passed (LCMS)

Heavy Metals

Specimen Weight: 252.720 mg

Passed (ICP-MS)

Dilution Factor: 5.635

Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)	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	Arsenic (As)	100	1500	<LOQ
Aflatoxin B2	6	20	<LOQ	Ochratoxin A	12	20	<LOQ	Cadmium (Cd)	100	500	<LOQ
Aflatoxin G1	6	20	<LOQ					Lead (Pb)	100	500	<LOQ
								Mercury (Hg)	100	3000	<LOQ

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Initial Gross Weight: 41.616 g
Net Weight: 36.516 g

Number of Units: 1
Net Weight per Unit: 36516.000 mg



Pesticides FL V4

Specimen Weight: 266.200 mg

Passed
(LCMS/GCMS)



Residual Solvents - FL (CBD)

Specimen Weight: 8.200 mg

Passed
(GCMS)

Dilution Factor: 5.635

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
Chlordane	10	100	<LOQ	Oxamyl	30	500	<LOQ
Chlorfenapyr	30	100	<LOQ	Paclotbutrazol	30	100	<LOQ
Chloromequat 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	Thiactoprid	30	100	<LOQ
Fenpyroximate	30	2000	<LOQ	Thiamethoxam	30	1000	<LOQ
Fipronil	30	100	<LOQ	Trifloxystrobin	30	3000	<LOQ
Flonicamid	30	2000	<LOQ				

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



Pathogenic SAE (qPCR)

Specimen Weight: 249.040 mg

Dilution Factor: 1.000

Analyte	Action Level (cfu/g)	Result (cfu/g)	Analyte	Action Level (cfu/g)	Result (cfu/g)
Aspergillus (Flavus, Fumigatus, Niger, Terreus)	1	Absence in 1g	Salmonella	1	Absence in 1g
E.Coli	1	Absence in 1g			



Listeria Monocytogenes

Specimen Weight: 985.400 mg

Dilution Factor: 1.000

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

Xueli Gao
Ph.D., DABT
Lab Toxicologist

Aixia Sun
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