



DEA No. RA0571996
FL License # CMTL-0003
CLIA No. 10D1094068

Certificate of Analysis

Compliance Test

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

Batch # VP22021702
Batch Date: 2022-03-01
Extracted From: Hemp

Test Reg State: Florida

Production Facility: Happy Fruit
Production Date: 2022-03-01

Order # HAP220323-070001
Order Date: 2022-03-23
Sample # AACQ029

Sampling Date: 2022-03-23
Lab Batch Date: 2022-03-23
Completion Date: 2022-04-27

Initial Gross Weight: 115.900 g
Net Weight: 3.605 g

Number of Units: 5
Net Weight per Unit: 721.000 mg



Product Image



Potency
Tested



HHC
Tested



HHC Metals
Failed



Mycotoxins
Passed



Pesticides
Passed



Listeria
Monocytogenes
Passed



Pathogenic
Passed



Vitamin E
Passed



Potency 20 (LCMS)

Specimen Weight: 57.710 mg

Tested
(LCMS)

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/g)	(%)
CBN	10.000	1.250000E-6	7.5E-5	0.610	0.061
Delta-9 THCO-Acetate	10.000	9.650000E-7	7.5E-5		<LOQ
THCVA	10.000	1.360000E-6	7.5E-5		<LOQ
THCV	10.000	1.240000E-6	7.5E-5		<LOQ
THCA-A	10.000	1.510000E-7	7.5E-5		<LOQ
Exo-THC	10.000	3.570000E-6	7.5E-5		<LOQ
CBC	10.000	1.940000E-6	7.5E-5		<LOQ
CBCA	10.000	5.080000E-7	7.5E-5		<LOQ
Delta-8 THCV	10.000	2.100000E-7	7.5E-5		<LOQ
Delta-8 THC	10.000	8.360000E-7	7.5E-5		<LOQ
CBT	10.000	3.510000E-7	7.5E-5		<LOQ
CBNA	10.000	8.950000E-8	7.5E-5		<LOQ
CBL	10.000	4.030000E-7	7.5E-5		<LOQ
CBGA	10.000	4.710000E-8	7.5E-5		<LOQ
CBG	10.000	4.000000E-7	7.5E-5		<LOQ
CBDVA	10.000	9.870000E-8	7.5E-5		<LOQ
CBDV	10.000	9.800000E-8	7.5E-5		<LOQ
CBDA	10.000	7.780000E-8	7.5E-5		<LOQ
CBD	10.000	3.370000E-7	7.5E-5		<LOQ
Delta-9 THC	10.000	2.980000E-5	7.5E-5		<LOQ



Potency Summary

Total THC None Detected	Total CBD None Detected
Total CBG None Detected	Total CBN 0.061% 0.440mg
Other Cannabinoids None Detected	Total Cannabinoids 0.061% 0.440mg



HHC Summary

Analyte	Result (mg/g)	(%)	Total/Unit (mg)
Total HHC	504.83	50.483%	363.98243

Xueli Gao
Ph.D., DABT
Lab Toxicologist

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



Definitions and Abbreviations used in this report: *Total CBD = CBD + (CBD-A * 0.877), *Total CBDV = CBDV + (CBDVA * 0.87), *Total 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 + (CBCA * 0.877), *Total THC-O-Acetate = Delta 8 THC-O-Acetate + Delta 9 THC-O-Acetate, *Other Cannabinoids Total = Total Cannabinoids - All the listed cannabinoids on the summary section, *Total Detected Cannabinoids = Delta6a10a-THC + Delta8-THC + Total CBN + CBT + Delta8-THCV + Total CBG + Total CBD + Total THCV + CBL + Total THC + Total CBC + Total CBDV + Delta10-THC + Total THC-O-Acetate, *Analyte Details above show the Dry Weight Concentrations unless specified as 12% moisture concentration. (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) = aw (area ratio) = Area Ratio, (mg/Kg) = Milligram per Kilogram, *Measurement of Uncertainty = +/- 10%

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Sample # AACQ029

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Lab Batch Date: 2022-03-23
Completion Date: 2022-04-27

Initial Gross Weight: 115.900 g
Net Weight: 3.605 g

Number of Units: 5
Net Weight per Unit: 721.000 mg

Pesticides FL V4

Specimen Weight: 161.700 mg

Passed
(LCMS/GCMS)

Dilution Factor: 9.276

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	Metaxyl	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	Paclotrazol	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	Thiacloprid	30	100	<LOQ
Fenpyroximate	30	2000	<LOQ	Thiamethoxam	30	1000	<LOQ
Fipronil	30	100	<LOQ	Trifloxystrobin	30	3000	<LOQ
Fonicamid	30	2000	<LOQ				

HHC Metals

Specimen Weight: 149.300 mg

Failed
(ICP-MS)

Dilution Factor: 199.840

Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Aluminium (Al)	1000	na	Passed	Nickel (Ni)	250	500	202239.2
Arsenic (As)	100	200	<LOQ	Palladium (Pd)	50	100	<LOQ
Cadmium (Cd)	100	200	<LOQ	Platinum (Pt)	50	100	<LOQ
Lead (Pb)	100	500	3430.7	Zinc (Zn)	1000	na	Passed
Mercury (Hg)	100	200	<LOQ				

Mycotoxins

Specimen Weight: 161.700 mg

Passed
(LCMS)

Dilution Factor: 9.276

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
Aflatoxin B2	6	20	<LOQ	Ochratoxin A	12	20	<LOQ
Aflatoxin G1	6	20	<LOQ				

HHC

Specimen Weight: 57.710 mg

Tested
(LCMS)

Dilution Factor: 1.000 Total/Piece (mg): 363.98243

Analyte	LOQ (%)	Result (mg/g)	(%)	Analyte	LOQ (%)	Result (mg/g)	(%)
(9R)-HHC	7.5E-5	240.0000	24	(±)-9β-hydroxy-HHC	7.5E-5	0.8300	0.083
(9S)-HHC	7.5E-5	264.0000	26.4	Total HHC	7.5E-5	504.8300	50.483

Pathogenic SAE (qPCR)

Specimen Weight: 235.000 mg

Passed
(qPCR)

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			

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Listeria Monocytogenes

Passed

Specimen Weight: 981.700 mg

(qPCR)

Dilution Factor: 1.000

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



Vitamin E (Tocopheryl Acetate)

Passed

Specimen Weight: 161.700 mg

(LC-MS)

Dilution Factor: 9.276

Analyte	Result (ppb)
Vitamin E Acetate	<LOQ

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