



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

Certificate of Analysis

Compliance Test

Happy Delta
8350 Arrowridge Blvd
Charlotte, North Carolina 28273

Batch # VD80P01
Batch Date: 2021-08-03
Extracted From: Hemp

Sampling Method: MSP 7.3.1
Test Reg State: Florida

Order # GLO210803-100005
Order Date: 2021-08-03
Sample # AABS455

Sampling Date: 2021-08-05
Lab Batch Date: 2021-08-05
Completion Date: 2021-08-17

Initial Gross Weight: 66.858 g
Net Weight: 1100.000 mg

Number of Units: 2
Net Weight per Unit: 1100.000 mg



Product Image

Potency
Tested

Terpenes
Tested

Heavy Metals
Passed

Mycotoxins
Passed

Pesticides
Passed

Residual
Solvents
Passed

Pathogenic
Microbiology
Passed

Listeria
Monocytogenes
Passed

Filth and Foreign
Passed

Delta 8/Delta 10 Potency

Specimen Weight: 56.260 mg

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/g)	(%)
Delta-8 THC	100.000	0.000026	0.001	527.000	52.700%
CBD	100.000	0.000054	0.001	148.800	14.880%
CBC	100.000	0.000018	0.001	38.780	3.878%
CBN	100.000	0.000014	0.001	12.920	1.292%
CBG	100.000	0.000248	0.001	9.159	0.916%
CBDV	100.000	0.000065	0.001	7.453	0.745%
THCV	100.000	0.000007	0.001	<LOQ	
THCA-A	100.000	0.000032	0.001	<LOQ	
Delta-10 THC	1000.000	0.000003	0.001	<LOQ	
CBGA	100.000	0.000008	0.001	<LOQ	
Delta-9 THC	100.000	0.000013	0.001	<LOQ	
CBDA	100.000	0.000001	0.001	<LOQ	

Tested
(LCUV)

Potency Summary

Total Delta 8 52.700% 579.700mg	Total Delta 10 None Detected
Total THC None Detected	Total CBD 14.880% 163.680mg
Total CBG 0.916% 10.076mg	Total CBN 1.292% 14.212mg
Other Cannabinoids 4.623% 50.853mg	Total Cannabinoids 74.411% 818.521mg

Terpenes Summary

Analyte	Result (mg/g)	(%)
(R)-(+)-Limonene	65.315	6.532%
alpha-Bisabolol	3.682	0.368%
beta-Myrcene	0.809	0.081%
(+)-Cedrol	0.39	0.039%

Total Terpenes: 7.020%

Detailed Terpenes Analysis is on the following page

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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Terpenes - FL

Specimen Weight: 55.590 mg
Dilution Factor: 20.000

Tested
(GC/GCMS)

Analyte	LOQ (%)	Result (mg/g)	(%)	Analyte	LOQ (%)	Result (mg/g)	(%)
(R)-(+)-Limonene	0.02	65.315	6.532	alpha-Bisabolol	0.02	3.682	0.368
beta-Myrcene	0.02	0.809	0.081	(+)-Cedrol	0.02	0.390	0.039
trans-Caryophyllene	0.02	<LOQ		Nerol	0.02	<LOQ	
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		Ocimene	0.014	<LOQ	
trans-Nerolidol	0.02	<LOQ		Sabinene	0.02	<LOQ	
Sabinene Hydrate	0.02	<LOQ		Terpinolene	0.02	<LOQ	
Total Terpineol	0.02	<LOQ		Pulegone	0.02	<LOQ	
Fenchone	0.02	<LOQ		Gamma-Terpinene	0.02	<LOQ	
3-Carene	0.02	<LOQ		alpha-Cedrene	0.02	<LOQ	
alpha-Humulene	0.02	<LOQ		alpha-Phellandrene	0.02	<LOQ	
alpha-Pinene	0.02	<LOQ		alpha-Terpinene	0.02	<LOQ	
beta-Pinene	0.02	<LOQ		Fenchyl Alcohol	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	
Farnesene	0.02	<LOQ		Valencene	0.02	<LOQ	

Total Terpenes: 7.020%

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Initial Gross Weight: 66.858 g
Net Weight: 1100.000 mg

Number of Units: 2
Net Weight per Unit: 1100.000 mg

Heavy Metals

Specimen Weight: 254.400 mg
Dilution Factor: 2.000

Passed
(ICP-MS)

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

Mycotoxins

Specimen Weight: 188.300 mg
Dilution Factor: 7.966

Passed
(LCMS)

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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Pesticides
Specimen Weight: 188.300 mg
Dilution Factor: 7.966

Passed
(LCMS/GCMS)

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
Carbaryl	10	500	<LOQ	Chlorfenapyr	48	100	<LOQ
Chlorpyrifos	30	100	<LOQ	Clofentezine	30	500	<LOQ
Coumaphos	30	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	30	3000	<LOQ
Ethoprophos	30	100	<LOQ	Etofenprox	30	100	<LOQ
Etiozazole	30	1500	<LOQ	Fenhexamid	30	3000	<LOQ
Fenoxycarb	30	100	<LOQ	Fenpyroximate	30	2000	<LOQ
Fipronil	30	100	<LOQ	Flonicamid	30	2000	<LOQ
Fludioxonil	30	3000	<LOQ	Hexythiazox	30	2000	<LOQ
Imazalil	30	100	<LOQ	Imidacloprid	30	3000	<LOQ
Kresoxim Methyl	30	1000	<LOQ	Malathion	30	2000	<LOQ
Metalaxyl	10	3000	<LOQ	Methiocarb	30	100	<LOQ
Methomyl	30	100	<LOQ	Mevinphos	30	100	<LOQ
Myclobutanil	30	3000	<LOQ	Naled	30	500	<LOQ
Oxamyl	30	500	<LOQ	Paclobutrazol	30	100	<LOQ
Parathion-methyl	48	100	<LOQ	Pentachloronitrobenzene	30	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	30	3000	<LOQ	Spiromesifen	30	3000	<LOQ
Spirotetramat	30	3000	<LOQ	Spiroxamine	30	100	<LOQ
Tebuconazole	30	1000	<LOQ	Thiaclorid	30	100	<LOQ
Thiamethoxam	30	1000	<LOQ	Trifloxystrobin	30	3000	<LOQ

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Number of Units: 2
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Residual Solvents - FL (CBD) Passed (GCMS)

Specimen Weight: 8.300 mg
Dilution Factor: 1.000

Analyte	LOQ (ppm)	Action Level (ppm)	Result (ppm)	Analyte	LOQ (ppm)	Action Level (ppm)	Result (ppm)
Acetone	2.08	5000	<LOQ	Benzene	0.02	2	<LOQ
Butanes	2.5	2000	<LOQ	Ethanol	2.78	5000	<LOQ
Ethyl Acetate	1.11	5000	<LOQ	Heptane	1.39	5000	<LOQ
Hexane	1.17	290	<LOQ	Isopropyl alcohol	1.39	500	<LOQ
Methanol	0.69	3000	<LOQ	Pentane	2.08	5000	<LOQ
Propane	5.83	2100	<LOQ	Toluene	2.92	890	<LOQ
Total Xylenes	2.92	2170	<LOQ				

Pathogenic Microbiology SAE (MicroArray) Passed (Micro Array)

Specimen Weight: 1033.900 mg
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

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Listeria Monocytogenes

Specimen Weight: 991.500 mg

Dilution Factor: 1.000

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

Passed
(qPCR)



Filtration and Foreign Material

Net Weight: 1100.000 mg

Dilution Factor: 1.000

Analyte	Action Level (%)	Result (%)	Analyte	Action Level (mg/Kg)	Result (mg/Kg)
Covered Area	10	0.000	Feces	0.5	0.000
Weight %	1	0.000			

Passed
(Visual/Microscope)

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