

License No. 800025015
 FL License # CMTL0003
 CLIA No. 10D1094068

Certificate of Analysis

R&D

Batch # D8 Vape Blend
 Batch Date: 2021-08-10
 Extracted From: D8 Vape Blend

Test Reg State: Oregon

Production Date: 2021-08-10

Order Date: 2021-08-10
 Sample # AABT195

Sampling Date: 2021-08-13
 Lab Batch Date: 2021-08-13
 Completion Date: 2021-08-19

Initial Gross Weight: 30.127 g



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 Tested

Delta 8/Delta 10 Potency 12

Tested (LCUV)

Specimen Weight: 50.380 mg

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/g)	(%)
Delta-8 THC	100.000	0.000026	0.001	896.400	89.640
Delta-10 THC	1000.000	0.000003	0.001	<LOQ	<LOQ
Delta-9 THC	100.000	0.000013	0.001	<LOQ	<LOQ
CBC	100.000	0.000018	0.001	<LOQ	<LOQ
CBD	100.000	0.000054	0.001	<LOQ	<LOQ
THCV	100.000	0.000007	0.001	<LOQ	<LOQ
THCA-A	100.000	0.000032	0.001	<LOQ	<LOQ
CBN	100.000	0.000014	0.001	<LOQ	<LOQ
CBGA	100.000	0.00008	0.001	<LOQ	<LOQ
CBG	100.000	0.000248	0.001	<LOQ	<LOQ
CBDV	100.000	0.000065	0.001	<LOQ	<LOQ
CBDA	100.000	0.00001	0.001	<LOQ	<LOQ

Potency Summary

Total Delta 8 89.640%	Total Delta 10 None Detected
Total THC None Detected	Total CBD None Detected
Total CBG None Detected	Total CBN None Detected
Other Cannabinoids None Detected	Total Cannabinoids 89.640%

Terpenes Summary

Analyte	Result (mg/g)	(%)
beta-Myrcene	9.07	0.907%
trans-Caryophyllene	7.104	0.71%
(R)-(+)-Limonene	6.444	0.644%
alpha-Bisabolol	3.619	0.362%
Linalool	2.119	0.212%
beta-Pinene	1.623	0.162%
alpha-Humulene	1.272	0.127%
alpha-Pinene	1.072	0.107%
Total Terpineol	0.965	0.096%
trans-Nerolidol	0.831	0.083%
Sabinene Hydrate	0.689	0.069%
Ocimene	0.604	0.06%
Caryophyllene oxide	0.579	0.058%

Total Terpenes: 3.597%

Detailed Terpenes Analysis is on the following page

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

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

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Terpenes - FL

Specimen Weight: 50.380 mg

Tested
(GC/GCMS)

Dilution Factor: 20.000

Analyte	LOQ (%)	Result (mg/g)	(%)	Analyte	LOQ (%)	Result (mg/g)	(%)
beta-Myrcene	0.02	9.070	0.907	trans-Caryophyllene	0.02	7.104	0.710
(R)-(+)-Limonene	0.02	6.444	0.644	alpha-Bisabolol	0.02	3.619	0.362
Linalool	0.02	2.119	0.212	beta-Pinene	0.02	1.623	0.162
alpha-Humulene	0.02	1.272	0.127	alpha-Pinene	0.02	1.072	0.107
Total Terpeneol	0.02	0.965	0.096	trans-Nero idol	0.02	0.831	0.083
Sabinene Hydrate	0.02	0.689	0.069	Ocimene	0.014	0.604	0.060
Caryophyllene oxide	0.02	0.579	0.058	Isobomeol	0.02	<LOQ	<LOQ
Isopulegol	0.02	<LOQ	<LOQ	Hexahydrothymol	0.02	<LOQ	<LOQ
(+)-Cedrol	0.02	<LOQ	<LOQ	Nerol	0.02	<LOQ	<LOQ
Pulegone	0.02	<LOQ	<LOQ	Sabinene	0.02	<LOQ	<LOQ
Geranyl acetate	0.02	<LOQ	<LOQ	Terpinolene	0.02	<LOQ	<LOQ
Guaiol	0.02	<LOQ	<LOQ	Fenchone	0.02	<LOQ	<LOQ
Geraniol	0.02	<LOQ	<LOQ	3-Carene	0.02	<LOQ	<LOQ
alpha-Cedrene	0.02	<LOQ	<LOQ	alpha-Phellandrene	0.02	<LOQ	<LOQ
alpha-Terpinene	0.02	<LOQ	<LOQ	Bomeol	0.04	<LOQ	<LOQ
Camphene	0.02	<LOQ	<LOQ	Camphors	0.04	<LOQ	<LOQ
cis-Nero idol	0.02	<LOQ	<LOQ	Eucalyptol	0.02	<LOQ	<LOQ
Famesene	0.02	<LOQ	<LOQ	Fenchyl Alcohol	0.02	<LOQ	<LOQ
Gamma-Terpinene	0.02	<LOQ	<LOQ	Valencene	0.02	<LOQ	<LOQ

Total Terpenes: 3.597%

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H Heavy Metals Passed (ICP-MS)

Specimen Weight: 245.500 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

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

Specimen Weight: 13.800 mg

Dilution Factor: 1.000

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

S Mycotoxins Passed (LCMS)

Specimen Weight: 187.400 mg

Dilution Factor: 8.004

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 **Passed**
(LCMS/GCMS)

Specimen Weight: 187.400 mg

Dilution Factor: 8.004

Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Abamectin	28.23	300	<LOQ	Acetate	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
Carbaryl	10	500	<LOQ	Chlorfenvinpyr	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
Ethionphos	30	100	<LOQ	Etofenprox	30	100	<LOQ
Etoxazole	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	Melathion	30	2000	<LOQ
Metaxalyl	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	Pacllobutrazol	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	Thiadiazol	30	100	<LOQ
Thiamethoxam	30	1000	<LOQ	Trifloxystrobin	30	3000	<LOQ

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Residual Solvents - FL (CBD) Passed (GCMS)

Specimen Weight: 13.800 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	46.112
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: 1035.400 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	STECE. Coli	Absence in 1g

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Listeria Monocytogenes

Specimen Weight: 1022.900 mg

Dilution Factor: 1.000

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

Passed
(qPCR)



Vitamin E (Tocopheryl Acetate)

Specimen Weight: 187.400 mg

Dilution Factor: 8.004

Analyte	Result (ppt)
Vitamin E Acetate	<LOQ

Tested
(LC-MS)

ACS

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