



Certificate of Analysis

R&D

CANNESSENTIAL

Batch # pgumd 1/14/21
Batch Date: 2021-01-14
Extracted From: hemp

Test Reg State: Oregon

Order # CAN210114-060015
Order Date: 2021-01-14
Sample # AAAX309

Sampling Date: 2021-01-20
Lab Batch Date: 2021-01-20
Completion Date: 2021-01-25

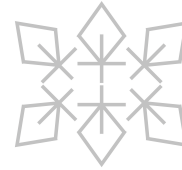
Initial Gross Weight: 9.906 g
Net Weight: 7.793 g

Number of Units: 1
Net Weight per Unit: 7793.000 mg



Product Image

Potency
Tested



CANNESSENTIALS



Delta 8 Potency 11

Specimen Weight: 1524.900 mg

Tested
(LCUV)



Potency Summary

Pieces For Panel: 2

Analyte	LOD (%)	LOQ (%)	Result (mg/g)	(%)
Delta-8 THC	0.000026	0.001	6.381	0.638
CBN	0.000014	0.001	0.069	0.007
CBC	0.000018	0.001	<LOQ	<LOQ
THCV	0.000007	0.001	<LOQ	<LOQ
CBD	0.000054	0.001	<LOQ	<LOQ
Delta-9 THC	0.000013	0.001	<LOQ	<LOQ
CBGA	0.00008	0.001	<LOQ	<LOQ
CBG	0.000248	0.001	<LOQ	<LOQ
CBDV	0.000065	0.001	<LOQ	<LOQ
CBDA	0.00001	0.001	<LOQ	<LOQ
THCA-A	0.000032	0.001	<LOQ	<LOQ

Total CBD None Detected	Total THC None Detected
Total CBG None Detected	Total CBN 0.007% 0.539mg
Other Cannabinoids 0.638% 49.727mg	Total Cannabinoids 0.645% 50.266mg

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



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Delta 8 Gummy
Sample Matrix:
CBD/HEMP
Edibles
(Ingestion)



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

Certificate of Analysis

Compliance Test

CANNESSENTIAL

Batch # Full Panel 1 D8 Gummy
Batch Date: 2021-04-02
Extracted From: hemp

Sampling Method: MSP 7.3.1 Test Reg

Date: 2021-04

Sampling Date: 2021-04-05
Lab Batch Date: 2021-04-05
Completion Date: 2021-04-13

Initial Gross Weight: 29.278 g
Net Weight: 24.595 g

Number of Units: 1
Net Weight per Unit: 3513.571 mg



Heavy Metals

Specimen Weight: 254.890 mg

Passed
(ICP-MS)

Pieces For Panel: 7 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



Mycotoxins

Specimen Weight: 192.140 mg

Passed
(LCMS)

Pieces For Panel: 7 Dilution Factor: 7.807

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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Delta 8 Gummy
 Sample Matrix:
 CBD/HEMP
 Edibles
 (Ingestion)



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

Certificate of Analysis

Compliance Test

CANNESSENTIAL

Batch # Full Panel 1 D8 Gummy
 Batch Date: 2021-04-02
 Extracted From: hemp

Sampling Method: MSP 7.3.1 Test Reg

Order Date: 2021-04-02

Sampling Date: 2021-04-05
 Lab Batch Date: 2021-04-05
 Completion Date: 2021-04-13

Initial Gross Weight: 29.278 g
 Net Weight: 24.595 g

Number of Units: 1
 Net Weight per Unit: 3513.571 mg



Pesticides

Specimen Weight: 192.140 mg

Passed
 (LCMS/GCMS)

Pieces For Panel: 7 Dilution Factor: 7.807

Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Abarbectin	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
Etoxazole	30	1500	<LOQ	Fenhexamid	30	3000	<LOQ
Fenoxycarb	30	100	<LOQ	Fenpyroximate	30	2000	<LOQ
Fipronil	30	100	<LOQ	Fonicamid	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
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	Paclbutrazol	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	Thiacloprid	30	100	<LOQ
Thiamethoxam	30	1000	<LOQ	Trifloxystrobin	30	3000	<LOQ

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CBD/HEMP
Edibles
(Ingestion)



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CLIA No. 10D1094068

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Compliance Test

CANNESSENTIAL

Batch # Full Panel 1 D8 Gummy
Batch Date: 2021-04-02
Extracted From: hemp

Sampling Method: MSP 7.3.1 Test Reg

Order Date: 2021-04-02

Sampling Date: 2021-04-05
Lab Batch Date: 2021-04-05
Completion Date: 2021-04-13

Initial Gross Weight: 29.278 g
Net Weight: 24.595 g

Number of Units: 1
Net Weight per Unit: 3513.571 mg



Residual Solvents - FL (CBD)

Specimen Weight: 11.100 mg

Passed
(GCMS)

Pieces For Panel: 7 Dilution Factor: 1.000

Analyte	LOQ (ppm)	Action Level (ppm)	Result (ppm)	Analyte	LOQ (ppm)	Action Level (ppm)	Result (ppm)
1,1-Dichloroethane	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	<LOQ
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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Number of Units: 1
Net Weight per Unit: 3513.571 mg



Pathogenic Microbiology - A (MicroArray)

Passed
(Micro Array)

Specimen Weight: 268.500 mg

Pieces For Panel: 7

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



Listeria Monocytogenes

Passed
(qPCR)

Specimen Weight: 1002.290 mg

Pieces For Panel: 7 Dilution Factor: 1.000

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



Pathogenic SAE (qPCR)

Passed
(qPCR)

Specimen Weight: 268.500 mg

Pieces For Panel: 7 Dilution Factor: 1.000

Analyte	Action Level (cfu/g)	Result (cfu/g)	Analyte	Action Level (cfu/g)	Result (cfu/g)
E.Coli	1	Absence in 1g	Salmonella	1	Absence in 1g

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