



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

Certificate of Analysis

R&D

3CHI
274 MEDICAL DR # 875
CARMEL, IN 46082

Batch # 210708-SM
Batch Date: 2021-07-08
Extracted From: HEMP

Test Reg State: Florida

Order # 3CH210714-010017
Order Date: 2021-07-14
Sample # AABQ146

Sampling Date: 2021-07-16
Lab Batch Date: 2021-07-16
Completion Date: 2021-07-29

Initial Gross Weight: 78.732 g



Product Image

Potency
Tested
 Residual
Solvents
Passed

Terpenes
Tested
 Listeria
Monocytogenes
Passed

Heavy Metals
Passed
 Pathogenic
Passed

Mycotoxins
Passed

Pesticides
Passed



Delta 8/Delta 10 Potency 12

Specimen Weight: 54.620 mg

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/g)	(%)
Delta-8 THC	1000.000	0.000026	0.001	97.167	97.167
Delta-10 THC	1000.000	0.000003	0.001	<LOQ	<LOQ
Delta-9 THC	1000.000	0.000013	0.001	<LOQ	<LOQ
CBC	1000.000	0.000018	0.001	<LOQ	<LOQ
CBD	1000.000	0.000054	0.001	<LOQ	<LOQ
THCV	1000.000	0.000007	0.001	<LOQ	<LOQ
THCA-A	1000.000	0.000032	0.001	<LOQ	<LOQ
CBN	1000.000	0.000014	0.001	<LOQ	<LOQ
CBGA	1000.000	0.000008	0.001	<LOQ	<LOQ
CBG	1000.000	0.000248	0.001	<LOQ	<LOQ
CBDV	1000.000	0.000065	0.001	<LOQ	<LOQ
CBDa	1000.000	0.00001	0.001	<LOQ	<LOQ

Tested
(LCUV)



Potency Summary

Total Delta 8 97.167%	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 97.167%



Terpenes Summary

Analyte	Result (mg/g)	(%)
(R)-(+)-Limonene	7.439	0.744%
trans-Caryophyllene	6.153	0.615%
beta-Myrcene	6.115	0.612%
Linalool	1.858	0.186%
beta-Pinene	1.399	0.14%
Total Terpeneol	1.18	0.118%
alpha-Pinene	1.091	0.109%
Sabinene Hydrate	0.952	0.095%
alpha-Humulene	0.621	0.062%
alpha-Bisabolol	0.601	0.06%
Terpinolene	0.509	0.051%
alpha-Phellandrene	0.408	0.041%

Total Terpenes: 2.833%

Detailed Terpenes Analysis is on the following page

Xueli Gao
Lab Toxicologist
Ph.D., DABT

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



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Terpenes - FL

Specimen Weight: 60.440 mg

Tested
(GC/GCMS)

Dilution Factor: 20.000

Analyte	LOQ (%)	Result (mg/g)	(%)	Analyte	LOQ (%)	Result (mg/g)	(%)
(R)-(+)-Limonene	0.02	7.439	0.744	trans-Caryophyllene	0.02	6.153	0.615
beta-Myrcene	0.02	6.115	0.612	Linalool	0.02	1.858	0.186
beta-Pinene	0.02	1.399	0.140	Total Terpeneol	0.02	1.180	0.118
alpha-Pinene	0.02	1.091	0.109	Sabinene Hydrate	0.02	0.952	0.095
alpha-Humulene	0.02	0.621	0.062	alpha-Bisabolol	0.02	0.601	0.060
Terpinolene	0.02	0.509	0.051	alpha-Phellandrene	0.02	0.408	0.041
Hexahydrothymol	0.02	<LOQ		Nerol	0.02	<LOQ	
Isoborneol	0.02	<LOQ		Isopulegol	0.02	<LOQ	
(+)-Cedrol	0.02	<LOQ		Ocimene	0.014	<LOQ	
Pulegone	0.02	<LOQ		Sabinene	0.02	<LOQ	
Geranyl acetate	0.02	<LOQ		trans-Nerolidol	0.02	<LOQ	
Guaiol	0.02	<LOQ		Fenchone	0.02	<LOQ	
Geraniol	0.02	<LOQ		Borneol	0.04	<LOQ	
3-Carene	0.02	<LOQ		alpha-Cedrene	0.02	<LOQ	
alpha-Terpinene	0.02	<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		Fenchyl Alcohol	0.02	<LOQ	
Gamma-Terpinene	0.02	<LOQ		Valencene	0.02	<LOQ	

Total Terpenes: 2.833%

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Heavy Metals

Specimen Weight: 249.870 mg

Passed
(ICP-MS)

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: 155.000 mg

Passed
(LCMS)

Dilution Factor: 9.677

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 FL V4

Specimen Weight: 155.000 mg

Passed
(LCMS/GCMS)

Dilution Factor: 9.677

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
Boscalid	10	3000	<LOQ	Captan	30	3000	<LOQ
Carbaryl	10	500	<LOQ	Carbofuran	10	100	<LOQ
Chlorantraniliprole	10	3000	<LOQ	Chlordane	10	100	<LOQ
Chlorfenapyr	30	100	<LOQ	Chloromequat Chloride	10	3000	<LOQ
Chlorpyrifos	30	100	<LOQ	Clofentazine	30	500	<LOQ
Coumaphos	48	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	48	3000	<LOQ
Ethoprophos	30	100	<LOQ	Etofenprox	30	100	<LOQ
Etoxazole	30	1500	<LOQ	Fenhexamid	10	3000	<LOQ
Fenoxycarb	30	100	<LOQ	Fenpyroximate	30	2000	<LOQ
Fipronil	30	100	<LOQ	Flonicamid	30	2000	<LOQ
Fludioxonil	48	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	methyl-Parathion	10	100	<LOQ
Mevinphos	10	100	<LOQ	Myclobutanil	30	3000	<LOQ
Naled	30	500	<LOQ	Oxamyl	30	500	<LOQ
Paclobutrazol	30	100	<LOQ	Pentachloronitrobenzene	10	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	10	3000	<LOQ	Spinosad	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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Residual Solvents - FL (CBD)

Specimen Weight: 11.900 mg

Passed
(GCMS)

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				



Listeria Monocytogenes

Specimen Weight: 1000.700 mg

Passed
(qPCR)

Dilution Factor: 1.000

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

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Pathogenic SAE (qPCR)

Specimen Weight: 248.900 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	E.Coli	1	Absence in 1g
			Salmonella	1	Absence in 1g

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