



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-G41  
 Batch Date: 2021-07-08  
 Extracted From: HEMP

Test Reg State: Florida

Order # 3CH210802-200009  
 Order Date: 2021-08-02  
 Sample # AABS287

Sampling Date: 2021-08-04  
 Lab Batch Date: 2021-08-04  
 Completion Date: 2021-08-10

Initial Gross Weight: 78.104 g



Potency  
 Tested

Terpenes  
 Tested

Heavy Metals  
 Passed

Mycotoxins  
 Passed

Pesticides  
 Passed

Residual  
 Solvents  
 Passed

Pathogenic  
 Microbiology  
 Passed

Listeria  
 Monocytogenes  
 Passed

Product Image

## Delta 8/Delta 10 Potency

12

Tested  
 (LCUV)

## Potency Summary

Specimen Weight: 56.560 mg

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/g)	(%)
Delta-8 THC	1000.000	0.000026	0.001	846.900	84.690
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	0.00008	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

Total Delta 8 84.690%	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 84.690%

## Terpenes Summary

Analyte	Result (mg/g)	(%)
(R)-(+)-Limonene	5.002	0.5%
trans-Caryophyllene	4.712	0.471%
beta-Myrcene	4.453	0.445%
Farnesene	1.227	0.123%
Linalool	1.153	0.115%
Sabinene Hydrate	1.08	0.108%
Terpinolene	1.042	0.104%
beta-Pinene	0.817	0.082%
alpha-Humulene	0.788	0.079%
alpha-Pinene	0.703	0.07%
Total Terpeneol	0.563	0.056%
3-Carene	0.515	0.051%
Valencene	0.423	0.042%

Total Terpenes: 2.246%

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: 56.560 mg

Tested  
(GC/GCMS)

Dilution Factor: 20.000

Analyte	LOQ (%)	Result (mg/g)	(%)	Analyte	LOQ (%)	Result (mg/g)	(%)
(R)-(+)-Limonene	0.02	5.002	0.500	trans-Caryophyllene	0.02	4.712	0.471
beta-Myrcene	0.02	4.453	0.445	Farnesene	0.02	1.227	0.123
Linalool	0.02	1.153	0.115	Sabinene Hydrate	0.02	1.080	0.108
Terpinolene	0.02	1.042	0.104	beta-Pinene	0.02	0.817	0.082
alpha-Humulene	0.02	0.788	0.079	alpha-Pinene	0.02	0.703	0.070
Total Terpeneol	0.02	0.563	0.056	3-Carene	0.02	0.515	0.051
Valencene	0.02	0.423	0.042	Sabinene	0.02	<LOQ	<LOQ
Pulegone	0.02	<LOQ	<LOQ	Ocimene	0.014	<LOQ	<LOQ
Nerol	0.02	<LOQ	<LOQ	Geranyl acetate	0.02	<LOQ	<LOQ
Isopulegol	0.02	<LOQ	<LOQ	trans-Nerolidol	0.02	<LOQ	<LOQ
Isoborneol	0.02	<LOQ	<LOQ	Hexahydrothymol	0.02	<LOQ	<LOQ
Guaiol	0.02	<LOQ	<LOQ	(+)-Cedrol	0.02	<LOQ	<LOQ
Geraniol	0.02	<LOQ	<LOQ	alpha-Bisabolol	0.02	<LOQ	<LOQ
alpha-Cedrene	0.02	<LOQ	<LOQ	alpha-Phellandrene	0.02	<LOQ	<LOQ
alpha-Terpinene	0.02	<LOQ	<LOQ	Borneol	0.04	<LOQ	<LOQ
Camphene	0.02	<LOQ	<LOQ	Camphors	0.04	<LOQ	<LOQ
Caryophyllene oxide	0.02	<LOQ	<LOQ	cis-Nerolidol	0.02	<LOQ	<LOQ
Eucalyptol	0.02	<LOQ	<LOQ	Fenchyl Alcohol	0.02	<LOQ	<LOQ
Gamma-Terpinene	0.02	<LOQ	<LOQ	Fenchone	0.02	<LOQ	<LOQ

Total Terpenes: 2.246%

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

*Aixia Sun*  
Aixia Sun Lab Director/Principal Scientist  
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## **H** Heavy Metals Passed (ICP-MS)

Specimen Weight: 246.700 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

## **M** Mycotoxins Passed (LCMS)

Specimen Weight: 178.000 mg

Dilution Factor: 8.427

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: 178.000 mg

**Passed**  
(LCMS/GCMS)

Dilution Factor: 8.427

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	Chlormequat 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	Fonicamid	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
Metaxyl	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
Paclotrazol	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) Passed (GCMS)

Specimen Weight: 114.600 mg

Dilution Factor: 50.000

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: 1044.560 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: 979.600 mg

**Passed**  
(qPCR)

Dilution Factor: 1.000

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

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