



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

Certificate of Analysis

Compliance Test

MEDTERRA CBD, LLC
9805 RESEARCH DR
IRVINE, CALIFORNIA 92618

Batch # 53398
Batch Date: 2021-11-24
Extracted From: Broad Spectrum
Sampling Method: MSP 7.3.1

Test Reg State: Florida

Cultivation Date: 0000-00-00
Production Date: 0000-00-00

Order # MED211124-040001
Order Date: 2021-11-24
Sample # AACF086

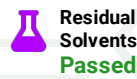
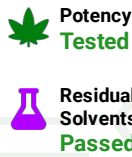
Sampling Date: 2021-12-01
Lab Batch Date: 2021-12-01
Completion Date: 2021-12-06

Initial Gross Weight: 78.632 g
Net Weight: 29.279 g

Number of Units: 1
Net Weight per Unit: 29279.000 mg



Product Image



Potency - 11

Specimen Weight: 81.250 mg

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/g)	(%)
CBD	1000.000	0.000054	0.001	33.290	3.329
CBN	1000.000	0.000014	0.001	1.340	0.134
CBG	1000.000	0.000248	0.001	1.230	0.123
CBC	1000.000	0.000018	0.001	1.030	0.103
THCV	1000.000	0.000007	0.001		<LOQ
Delta-9 THC	1000.000	0.000013	0.001		<LOQ
Delta-8 THC	1000.000	0.000026	0.001		<LOQ
CBGA	1000.000	0.000008	0.001		<LOQ
CBDV	1000.000	0.000065	0.001		<LOQ
CBDA	1000.000	0.00001	0.001		<LOQ
THCA-A	1000.000	0.000032	0.001		<LOQ

Sample Prepared By: 1044 Date: 2021-12-02 19:11:24 Sample Analyzed By: 1199 Date: 2021-12-02 14:47:25
Batch Reviewed By: 1150 Date: 2021-12-06 13:40:09 Lab Batch #: AACF086-174 Date: 2021-12-06 13:40:09

Tested (HPLC/LCMS)



Potency Summary

Total THC None Detected	3.329%	Total CBD 974.698mg
Total CBG 0.123% 36.013mg	0.134%	Total CBN 39.234mg
Other Cannabinoids 0.103% 30.157mg	3.689%	Total Cannabinoids 1,080.102mg



Terpenes Summary

Analyte	Result (mg/g)	(%)
Farnesene	5.071	0.507%
(R)-(+)-Limonene	1.149	0.115%

Total Terpenes: 0.622%

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



Definitions and Abbreviations used in this report: *Total CBD = CBD + (CBD-A * 0.877), *Total CBDV = CBDV + (CBDVA * 0.87), *Total THC = THCA-A * 0.877 + Delta 9 THC, *Total THCV = THCV + (THCVA * 0.87), *CBG Total = (CBGA * 0.877) + CBG, *CBN Total = (CBNA * 0.877) + CBN, *Total CBC = CBC + (CBCA * 0.877), *Other Cannabinoids Total = Total Cannabinoids - All the listed cannabinoids on the summary section, *Total Detected Cannabinoids = Delta8-THC + Total CBN + CBT + Delta8-THCV + Total CBG + Total CBD + Total THCV + CBL + Total THC + Total CBC + Total CBDV + Delta10-THC, *Total THC-O-Acetate = Delta 8 THC-O-Acetate + THC-O-Acetate, *Analyte Details above show the Dry Weight Concentrations unless specified as 12% moisture concentration. (mg/ml) = Milligrams per Milliliter, LOQ = Limit of Quantitation, LOD = Limit of Detection, Dilution = Dilution Factor (ppb) = Parts per Billion, (%) = Percent, (cfu/g) = Colony Forming Unit per Gram (cfu/g) = Colony Forming Unit per Gram, LOD = Limit of Detection, (µg/g) = Microgram per Gram (ppm) = Parts per Million, (ppm) = (µg/g), (aw) = aw (area ratio) = Area Ratio, (mg/Kg) = Milligram per Kilogram

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Test Reg State: Florida

Cultivation Date: 0000-00-00
Production Date: 0000-00-00

Order # MED211124-040001
Order Date: 2021-11-24
Sample # AACF086

Sampling Date: 2021-12-01
Lab Batch Date: 2021-12-01
Completion Date: 2021-12-06

Initial Gross Weight: 78.632 g
Net Weight: 29.279 g

Number of Units: 1
Net Weight per Unit: 29279.000 mg



Terpenes

Specimen Weight: 81.250 mg

Tested
(GC/GCMS)

Dilution Factor: 20.000

Analyte	LOQ (%)	Result (mg/g)	(%)	Analyte	LOQ (%)	Result (mg/g)	(%)
Farnesene	0.002	5.071	0.507	(R)-(+)-Limonene	0.002	1.149	0.115
Nerol	0.002	<LOQ		Geraniol	0.002	<LOQ	
Geranyl acetate	0.002	<LOQ		Guaiol	0.002	<LOQ	
Hexahydrothymol	0.002	<LOQ		Isoborneol	0.002	<LOQ	
Isopulegol	0.002	<LOQ		Linalool	0.002	<LOQ	
(+)-Cedrol	0.002	<LOQ		Gamma-Terpinene	0.002	<LOQ	
Pulegone	0.002	<LOQ		Sabinene	0.002	<LOQ	
Sabinene Hydrate	0.002	<LOQ		Terpinolene	0.002	<LOQ	
Total Terpeneol	0.001	<LOQ		trans-Caryophyllene	0.002	<LOQ	
trans-Nerolidol	0.002	<LOQ		Ocimene	0.000	<LOQ	
Fenchone	0.002	<LOQ		Fenchyl Alcohol	0.002	<LOQ	
3-Carene	0.002	<LOQ		alpha-Bisabolol	0.002	<LOQ	
alpha-Cedrene	0.002	<LOQ		alpha-Humulene	0.002	<LOQ	
alpha-Phellandrene	0.002	<LOQ		alpha-Pinene	0.002	<LOQ	
alpha-Terpinene	0.002	<LOQ		Eucalyptol	0.002	<LOQ	
beta-Myrcene	0.002	<LOQ		beta-Pinene	0.002	<LOQ	
Borneol	0.004	<LOQ		Camphene	0.002	<LOQ	
Camphors	0.006	<LOQ		Caryophyllene oxide	0.002	<LOQ	
cis-Nerolidol	0.002	<LOQ		Valencene	0.002	<LOQ	

Sample Prepared By: 1035 Date: 2021-12-04 00:53:07 Sample Analyzed By: 1035 Date: 2021-12-04 19:53:07
Batch Reviewed By: 1155 Date: 2021-12-04 18:34:00 Lab Batch #: AACF086-175 Date: 2021-12-04 18:34:00

Total Terpenes: 0.622%

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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Production Date: 0000-00-00

Order # MED211124-040001
Order Date: 2021-11-24
Sample # AACF086

Sampling Date: 2021-12-01
Lab Batch Date: 2021-12-01
Completion Date: 2021-12-06

Initial Gross Weight: 78.632 g
Net Weight: 29.279 g

Number of Units: 1
Net Weight per Unit: 29279.000 mg



Heavy Metals

Specimen Weight: 253.800 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

Sample Prepared By: 1145 Date: 2021-12-02 02:29:20 Sample Analyzed By: 1145 Date: 2021-12-02 21:29:20
Batch Reviewed By: 1146 Date: 2021-12-02 15:06:43 Lab Batch #: AACF086-164 Date: 2021-12-02 15:06:43



Mycotoxins

Specimen Weight: 176.000 mg

Passed
(LCMS)

Dilution Factor: 8.523

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				

Sample Prepared By: 1180 Date: 2021-12-02 00:39:59 Sample Analyzed By: 1180 Date: 2021-12-02 19:39:59
Batch Reviewed By: 1183 Date: 2021-12-03 15:54:33 Lab Batch #: AACF086-165 Date: 2021-12-03 15:54:33

Xueli Gao
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Aixia Sun
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IRVINE, CALIFORNIA 92618

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Batch Date: 2021-11-24
Extracted From: Broad Spectrum
Sampling Method: MSP 7.3.1

Test Reg State: Florida

Cultivation Date: 0000-00-00
Production Date: 0000-00-00

Order # MED211124-040001
Order Date: 2021-11-24
Sample # AACF086

Sampling Date: 2021-12-01
Lab Batch Date: 2021-12-01
Completion Date: 2021-12-06

Initial Gross Weight: 78.632 g
Net Weight: 29.279 g

Number of Units: 1
Net Weight per Unit: 29279.000 mg



Pesticides FL V4

Specimen Weight: 176.000 mg

Passed
(LCMS/GCMS)

Dilution Factor: 8.523

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
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
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				

Sample Prepared By: 1180 Date: 2021-12-02 00:39:59 Sample Analyzed By: 1180 Date: 2021-12-02 19:39:59
Batch Reviewed By: 1183 Date: 2021-12-03 15:54:33 Lab Batch #: AACF086-202 Date: 2021-12-03 15:54:33

Xueli Gao
Ph.D., DABT
Lab Toxicologist

Aixa Sun
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Lab Director/Principal Scientist



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Order # MED211124-040001
Order Date: 2021-11-24
Sample # AACF086

Sampling Date: 2021-12-01
Lab Batch Date: 2021-12-01
Completion Date: 2021-12-06

Initial Gross Weight: 78.632 g
Net Weight: 29.279 g

Number of Units: 1
Net Weight per Unit: 29279.000 mg



Residual Solvents - FL (CBD)

Specimen Weight: 117.600 mg

Passed
(GCMS)

Dilution Factor: 50.000

Analyte	LOQ (ppm)	Action Level (ppm)	Result (ppm)	Analyte	LOQ (ppm)	Action Level (ppm)	Result (ppm)
1,1-Dichloroethene	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				

Sample Prepared By: 1168 Date: 2021-12-02 00:23:17 Sample Analyzed By: 1155 Date: 2021-12-02 19:23:17
Batch Reviewed By: 1153 Date: 2021-12-02 16:04:01 Lab Batch #: AACF086-183 Date: 2021-12-02 16:04:01



Listeria Monocytogenes

Specimen Weight: 980.090 mg

Passed
(qPCR)

Dilution Factor: 1.000

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

Sample Prepared By: 1142 Date: 2021-12-03 18:16:13 Sample Analyzed By: 1142 Date: 2021-12-03 13:16:13
Batch Reviewed By: 1088 Date: 2021-12-03 20:26:31 Lab Batch #: AACF086-186 Date: 2021-12-03 20:26:31

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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Completion Date: 2021-12-06

Initial Gross Weight: 78.632 g
Net Weight: 29.279 g

Number of Units: 1
Net Weight per Unit: 29279.000 mg



Pathogenic SAE (qPCR)

Specimen Weight: 255.500 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 1 g	E.Coli	1	Absence in 1 g
			Salmonella	1	Absence in 1 g

Sample Prepared By: 1142 Date: 2021-12-04 13:57:23 Sample Analyzed By: 1142 Date: 2021-12-04 08:57:24
Batch Reviewed By: 1142 Date: 2021-12-04 16:36:10 Lab Batch #: AACF086-121 Date: 2021-12-04 16:36:10

Xueli Gao
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Lab Toxicologist

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Definitions and Abbreviations used in this report: *Total CBD = CBD + (CBD-A * 0.877), *Total CBDV = CBDV + (CBDVA * 0.87), *Total THC = THCA-A * 0.877 + Delta 9 THC, *Total THCV = THCV + (THCVA * 0.87), *CBG Total = (CBGA * 0.877) + CBG, *CBN Total = (CBNA * 0.877) + CBN, *Total CBC = CBC + (CBCA * 0.877), *Other Cannabinoids Total = Total Cannabinoids - All the listed cannabinoids on the summary section, *Total Detected Cannabinoids = Delta8-THC + Total CBN + CBT + Delta8-THCV + Total CBG + Total CBD + Total THCV + CBL + Total THC + Total CBC + Total CBDV + Delta10-THC, *Total THC-O-Acetate = Delta 8 THC-O-Acetate + THC-O-Acetate, *Analyte Details above show the Dry Weight Concentrations unless specified as 12% moisture concentration. (mg/ml) = Milligrams per Milliliter, LOQ = Limit of Quantitation, LOD = Limit of Detection, Dilution = Dilution Factor (ppb) = Parts per Billion, (%) = Percent, (cfu/g) = Colony Forming Unit per Gram (cfu/g) = Colony Forming Unit per Gram, LOD = Limit of Detection, (µg/g) = Microgram per Gram (ppm) = Parts per Million, (ppm) = (µg/g), (aw) = aw (area ratio) = Area Ratio, (mg/Kg) = Milligram per Kilogram

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