



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 # 53402
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 # AACF085

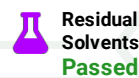
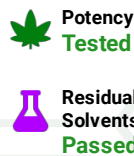
Sampling Date: 2021-12-01
Lab Batch Date: 2021-12-01
Completion Date: 2021-12-06

Initial Gross Weight: 77.866 g
Net Weight: 28.480 g

Number of Units: 1
Net Weight per Unit: 28480.000 mg



Product Image



Potency - 11

Specimen Weight: 84.900 mg

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/g)	(%)
CBD	1000.000	0.000054	0.001	63.950	6.395
CBN	1000.000	0.000014	0.001	2.560	0.256
CBG	1000.000	0.000248	0.001	2.440	0.244
CBC	1000.000	0.000018	0.001	2.080	0.208
CBDV	1000.000	0.000065	0.001	0.210	0.021
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	
CBDA	1000.000	0.000001	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 #: AACF085-174 Date: 2021-12-06 13:40:09

Tested (HPLC/LC/MS)



Potency Summary

Total THC None Detected	6.395%	Total CBD 1,821.296mg
Total CBG 0.244% 69.491mg	0.256%	Total CBN 72.909mg
Other Cannabinoids 0.229% 65.219mg	7.124%	Total Cannabinoids 2,028.915mg



Terpenes Summary

Analyte	Result (mg/g)	(%)
Farnesene	4.612	0.461%
(R)-(+)-Limonene	1.538	0.154%

Total Terpenes: 0.615%

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)



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 # AACF085

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

Initial Gross Weight: 77.866 g
Net Weight: 28.480 g

Number of Units: 1
Net Weight per Unit: 28480.000 mg



Terpenes

Specimen Weight: 84.900 mg

Tested
(GC/GCMS)

Dilution Factor: 20.000

Analyte	LOQ (%)	Result (mg/g)	(%)	Analyte	LOQ (%)	Result (mg/g)	(%)
Farnesene	0.002	4.612	0.461	(R)-(+)-Limonene	0.002	1.538	0.154
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 #: AACF085-175 Date: 2021-12-04 18:34:00

Total Terpenes: 0.615%

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 # AACF085

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

Initial Gross Weight: 77.866 g
Net Weight: 28.480 g

Number of Units: 1
Net Weight per Unit: 28480.000 mg

Heavy Metals

Specimen Weight: 252.000 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 #: AACF085-164 Date: 2021-12-02 15:06:43

Mycotoxins

Specimen Weight: 181.400 mg

Passed
(LCMS)

Dilution Factor: 8.269

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 #: AACF085-165 Date: 2021-12-03 15:54:33

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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9805 RESEARCH DR
IRVINE, CALIFORNIA 92618

Batch # 53402
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 # AACF085

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

Initial Gross Weight: 77.866 g
Net Weight: 28.480 g

Number of Units: 1
Net Weight per Unit: 28480.000 mg



Pesticides FL V4

Specimen Weight: 181.400 mg

Passed
(LCMS/GCMS)

Dilution Factor: 8.269

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	Clofentezine	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				

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 #: AACF085-202 Date: 2021-12-03 15:54:33

Xueli Gao
Ph.D., DABT
Lab Toxicologist

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



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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 # AACF085

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

Initial Gross Weight: 77.866 g
Net Weight: 28.480 g

Number of Units: 1
Net Weight per Unit: 28480.000 mg



Residual Solvents - FL (CBD)

Specimen Weight: 117.200 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-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				

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 #: AACF085-183 Date: 2021-12-02 16:04:01



Listeria Monocytogenes

Specimen Weight: 994.450 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 20:26:30 Lab Batch #: AACF085-186 Date: 2021-12-03 20:26:30

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

Initial Gross Weight: 77.866 g
Net Weight: 28.480 g

Number of Units: 1
Net Weight per Unit: 28480.000 mg



Pathogenic SAE (qPCR)

Specimen Weight: 232.700 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 #: AACF085-121 Date: 2021-12-04 16:36:10

Xueli Gao
Ph.D., DABT
Lab Toxicologist

Aixa 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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