

STATUS: RELEASED REVISION: 00 DATE: 09/22/2021

 Analysis ID No.
 213301

 TDA License No.
 2020002

 ISO/IEC No.
 1055838

 Customer No.
 20210824

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CUSTOMER INFORMATION	SAMPLE INFORMATION
Company Name:	Submitted Sample Name:
Medterra CBD	Medterra 100mg CBD Softgels Capsule
Address:	Submitted Sample Lot:
9805 Research Dr; Irvine, California 92618 USA	107004
Phone Number:	Submitted Sample Description:
800-972-1288	Oil Filled Capsules in White Bottle w/ Label; Stored at Room Temp
Contact Name / Email:	Submitted Sample Product Type / Matrix:
support@medterracbd.com	Hemp Extract / Softgels

	TOTAL THC ASSAY (COMPLIANCE, USDA)									
Analysis	Test Method	LOD	LOQ	Specifications		Test Results				
	UHPLC-	0.0007	0.002	w/w%: NMT 0.300	Replicate 1	Replicate 2	Average			
Δ9-THC	DAD	w/w%	w/w%	mg/g: NMT 3.00 (∆9-THC States Only)	0.006 w/w% 0.062 mg/g	0.006 w/w% 0.062 mg/g	0.006 w/w% 0.062 mg/g	PASS		
		0.0007	0.000	/ 0/ 5	Replicate 1	Replicate 2	Average			
THCa	UHPLC- DAD	0.0007 w/w%	0.002 w/w%	w/w%: Report Only mg/g: Report Only	< LOD < LOQ	< LOD < LOQ	< LOD < LOQ	Results Reported		
		0.0007	0.000	/ 0/ 11147 0 200	Replicate 1	Replicate 2	Average			
Total THC	UHPLC- DAD	0.0007 w/w%	0.002 w/w%	w/w%: NMT 0.300 mg/g: NMT 3.00	0.006 w/w% 0.062 mg/g	0.006 w/w% 0.062 mg/g	0.006 w/w% 0.062 mg/g	PASS		
	Measurement	Uncertainty (MU) = 0.02%	at 0.3% THC	Total Po	tential THC = (TI	HCa x 0.877)+ (Δ	9-THC)		

	LABEL CLAIM									
Analysis	Test Method	LOD	LOQ	Specifications		Test Results		Pass / Fail		
	1111016	0.0007	0.002		Replicate 1	Replicate 2	Average	D It.		
CBD	UHPLC- DAD	0.0007 w/w%	0.002 w/w%	mg/unit: Report Only* Target: 100 mg/capsule	100.197 mg/unit	101.947 mg/unit	101.072 mg/unit	Results Reported		
	UHPLC-	0.0007	0.002	% Label Claim:	Replicate 1	Replicate 2	Average			
CBD	DAD	w/w%	w/w%	90.0 to 110.0% Target: 100%	100.2%	101.9%	101.1%	PASS		
			*Tar	get Capsule Content Weight =	: 0.500 grams (Fa	nch)				

	CANNABINOIDS ASSAY										
Analysis	Test Method	LOD	LOQ	Specifications	Test Results	Pass / Fail					
CBD	UHPLC-DAD	0.0007 w/w%	0.002 w/w%	w/w%: Report Only mg/g: Report Only	20.214 w/w% 202.143 mg/g	Results Reported					
CBDa	UHPLC-DAD	0.0007 w/w%	0.002 w/w%	w/w%: Report Only mg/g: Report Only	< LOD < LOQ	Results Reported					
Δ9-THC	UHPLC-DAD	0.0007 w/w%	0.002 w/w%	w/w%: Report Only mg/g: Report Only	0.006 w/w% 0.062 mg/g	Results Reported					
Δ8-THC	UHPLC-DAD	0.0007 w/w%	0.002 w/w%	w/w%: Report Only mg/g: Report Only	< LOD < LOQ	Results Reported					
Exo-THC	UHPLC-DAD	0.0007 w/w%	0.002 w/w%	w/w%: Report Only mg/g: Report Only	< LOD < LOQ	Results Reported					
THCa	UHPLC-DAD	0.0007 w/w%	0.002 w/w%	w/w%: Report Only mg/g: Report Only	< LOD < LOQ	Results Reported					
CBG	UHPLC-DAD	0.0007 w/w%	0.002 w/w%	w/w%: Report Only mg/g: Report Only	< LOD < LOQ	Results Reported					
CBGa	UHPLC-DAD	0.0007 w/w%	0.002 w/w%	w/w%: Report Only mg/g: Report Only	< LOD < LOQ	Results Reported					
CBN	UHPLC-DAD	0.0007 w/w%	0.002 w/w%	w/w%: Report Only mg/g: Report Only	< LOD < LOQ	Results Reported					
CBNa	UHPLC-DAD	0.0007 w/w%	0.002 w/w%	w/w%: Report Only mg/g: Report Only	< LOD < LOQ	Results Reported					



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	CANNABINOIDS ASSAY										
Analysis	Test Method	LOD	LOQ	Specifications	Test Results	Pass / Fail					
CBC	UHPLC-DAD	0.0007 w/w%	0.002 w/w%	w/w%: Report Only mg/g: Report Only	0.005 w/w% 0.053 mg/g	Results Reported					
CBCa	UHPLC-DAD	0.0007 w/w%	0.002 w/w%	w/w%: Report Only mg/g: Report Only	< LOD < LOQ	Results Reported					
CBL	UHPLC-DAD	0.0007 w/w%	0.002 w/w%	w/w%: Report Only mg/g: Report Only	< LOD < LOQ	Results Reported					
CBDV	UHPLC-DAD	0.0007 w/w%	0.002 w/w%	w/w%: Report Only mg/g: Report Only	0.049 w/w% 0.487 mg/g	Results Reported					
CBDVa	UHPLC-DAD	0.0007 w/w%	0.002 w/w%	w/w%: Report Only mg/g: Report Only	< LOD < LOQ	Results Reported					
THCV	UHPLC-DAD	0.0007 w/w%	0.002 w/w%	w/w%: Report Only mg/g: Report Only	< LOD < LOQ	Results Reported					
THCVa	UHPLC-DAD	0.0007 w/w%	0.002 w/w%	w/w%: Report Only mg/g: Report Only	< LOD < LOQ	Results Reported					
Total Cannabinoids	UHPLC-DAD	0.0007 w/w%	0.002 w/w%	w/w%: Report Only mg/g: Report Only	20.274 w/w% 202.745 mg/g	Results Reported					

	HEAVY METAL ASSAY									
Analysis	Test Method	LOD	LOQ	Specifications	Test Results	Pass / Fail				
Lead	USP <232> <233> by ICP-MS	3 ppb	10 ppb	NMT 1000 ppb	< LOD < LOQ	PASS				
Mercury	USP <232> <233> by ICP-MS	2 ppb	5 ppb	NMT 500 ppb	< LOD < LOQ	PASS				
Cadmium	USP <232> <233> by ICP-MS	3 ppb	10 ppb	NMT 300 ppb	< LOD < LOQ	PASS				
Arsenic	USP <232> <233> by ICP-MS	3 ppb	10 ppb	NMT 1500 ppb	< LOD < LOQ	PASS				

		RESIDU	JAL SOLVENTS ASSAY		
Analysis	Test Method	LOQ	Specifications	Test Results	Pass / Fail
1,1-Dichloroethene	USP <467> by GC-MS	0.020 ppm	NMT 8 ppm	< LOD < LOQ	PASS
1,1,1-Trichloroethane	USP <467> by GC-MS	3.75 ppm	NMT 1,500 ppm	< LOD < LOQ	PASS
1,2-Dichloroethane	USP <467> by GC-MS	0.013 ppm	NMT 5 ppm	< LOD < LOQ	PASS
Benzene	USP <467> by GC-MS	0.005 ppm	NMT 2 ppm	< LOD < LOQ	PASS
Carbon tetrachloride	USP <467> by GC-MS	0.010 ppm	NMT 4 ppm	< LOD < LOQ	PASS
1,2-dichloroethene (E,Z)	USP <467> by GC-MS	4.675 ppm	NMT 1870 ppm	< LOD < LOQ	PASS
1,2-Dimethoxyethane	USP <467> by GC-MS	0.25 ppm	NMT 100 ppm	< LOD < LOQ	PASS
1,2,3,4- tetrahydronapthalene	USP <467> by GC-MS	0.25 ppm	NMT 100 ppm	< LOD < LOQ	PASS
1,4-Dioxane	USP <467> by GC-MS	0.95 ppm	NMT 380 ppm	< LOD < LOQ	PASS
2-Hexanone	USP <467> by GC-MS	0.125 ppm	NMT 50 ppm	< LOD < LOQ	PASS
4-methyl-2- pentanone	USP <467> by GC-MS	12.5 ppm	NMT 4,500 ppm	< LOD < LOQ	PASS
Acetonitrile	USP <467> by GC-MS	1.025 ppm	NMT 410 ppm	< LOD < LOQ	PASS
Chlorobenzene	USP <467> by GC-MS	0.9 ppm	NMT 360 ppm	< LOD < LOQ	PASS

Santé Laboratories, LLC - 8201 East Riverside Drive, STE 650, Austin, Texas 78744 USA Email: Testing@santelabs.com - Telephone: 512-309-5830 - Website: www.santelabs.com



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	RESIDUAL SOLVENTS ASSAY								
Analysis	Test Method	LOQ	Specifications	Test Results	Pass / Fail				
Chloroform	USP <467> by GC-MS	0.15 ppm	NMT 60 ppm	< LOD < LOQ	PASS				
Cumene	USP <467> by GC-MS	0.175 ppm	NMT 70 ppm	< LOD < LOQ	PASS				
Cyclohexane	USP <467> by GC-MS	9.7 ppm	NMT 3,880 ppm	< LOD < LOQ	PASS				
Dichloromethane	USP <467> by GC-MS	1.5 ppm	NMT 600 ppm	< LOD < LOQ	PASS				
Ethylbenzene	USP <467> by GC-MS	5.425 ppm	NMT 2,170 ppm	< LOD < LOQ	PASS				
Hexane, n-	USP <467> by GC-MS	0.725 ppm	NMT 290 ppm	< LOD < LOQ	PASS				
Methanol	USP <467> by GC-MS	7.5 ppm	NMT 3,000 ppm	< LOD < LOQ	PASS				
Methylcyclohexane	USP <467> by GC-MS	2.95 ppm	NMT 1,180 ppm	< LOD < LOQ	PASS				
Nitromethane	USP <467> by GC-MS	0.125 ppm	NMT 50 ppm	< LOD < LOQ	PASS				
Pyridine	USP <467> by GC-MS	0.50 ppm	NMT 200 ppm	< LOD < LOQ	PASS				
Tetrahydrofuran	USP <467> by GC-MS	1.8 ppm	NMT 720 ppm	< LOD < LOQ	PASS				
Toluene	USP <467> by GC-MS	2.225 ppm	NMT 890 ppm	< LOD < LOQ	PASS				
Trichloroethene	USP <467> by GC-MS	0.20 ppm	NMT 80 ppm	< LOD < LOQ	PASS				
Xylene, m-	USP <467> by GC-MS	108.5 ppm	NMT 2,170 ppm	< LOD < LOQ	PASS				
Xylene, o-	USP <467> by GC-MS	5.425 ppm	NMT 2,170 ppm	< LOD < LOQ	PASS				
Xylene, p-	USP <467> by GC-MS	5.425 ppm	NMT 2,170 ppm	< LOD < LOQ	PASS				
1-Butanol	USP <467> by GC-MS	12.5 ppm	NMT 5,000 ppm	< LOD < LOQ	PASS				
1-Pentanol	USP <467> by GC-MS	12.5 ppm	NMT 5,000 ppm	< LOD < LOQ	PASS				
1-Propanol	USP <467> by GC-MS	12.5 ppm	NMT 5,000 ppm	< LOD < LOQ	PASS				
2-Butanol	USP <467> by GC-MS	12.5 ppm	NMT 5,000 ppm	< LOD < LOQ	PASS				
2-Butanone	USP <467> by GC-MS	12.5 ppm	NMT 5,000 ppm	< LOD < LOQ	PASS				
2-methyl-1-propanol	USP <467> by GC-MS	12.5 ppm	NMT 5,000 ppm	< LOD < LOQ	PASS				
2-Propanol	USP <467> by GC-MS	12.5 ppm	NMT 5,000 ppm	< LOD < LOQ	PASS				
3-methyl-1-butanol	USP <467> by GC-MS	12.5 ppm	NMT 5,000 ppm	< LOD < LOQ	PASS				
Acetone	USP <467> by GC-MS	12.5 ppm	NMT 5,000 ppm	< LOD < LOQ	PASS				
Anisole	USP <467> by GC-MS	12.5 ppm	NMT 5,000 ppm	< LOD < LOQ	PASS				
Butyl acetate	USP <467> by GC-MS	12.5 ppm	NMT 5,000 ppm	< LOD < LOQ	PASS				
Ethanol	USP <467> by GC-MS	12.5 ppm	NMT 5,000 ppm	< LOD < LOQ	PASS				



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Analysis	Test Method	LOQ	Specifications	Test Results	Pass / Fail
Ethyl acetate	USP <467> by GC-MS	12.5 ppm	NMT 5,000 ppm	< LOD < LOQ	PASS
Ethyl ether	USP <467> by GC-MS	12.5 ppm	NMT 5,000 ppm	< LOD < LOQ	PASS
Ethyl formate	USP <467> by GC-MS	12.5 ppm	NMT 5,000 ppm	< LOD < LOQ	PASS
Heptane, n-	USP <467> by GC-MS	12.5 ppm	NMT 5,000 ppm	< LOD < LOQ	PASS
Isobutyl acetate	USP <467> by GC-MS	12.5 ppm	NMT 5,000 ppm	< LOD < LOQ	PASS
Isopropyl acetate	USP <467> by GC-MS	12.5 ppm	NMT 5,000 ppm	< LOD < LOQ	PASS
Methyl acetate	USP <467> by GC-MS	12.5 ppm	NMT 5,000 ppm	< LOD < LOQ	PASS
N,N- Dimethylsulfoxide	USP <467> by GC-MS	12.5 ppm	NMT 5,000 ppm	< LOD < LOQ	PASS
Pentane, n-	USP <467> by GC-MS	12.5 ppm	NMT 5,000 ppm	< LOD < LOQ	PASS
Propyl acetate	USP <467> by GC-MS	12.5 ppm	NMT 5,000 ppm	< LOD < LOQ	PASS
t-Butyl Methyl Ether	USP <467> by GC-MS	12.5 ppm	NMT 5,000 ppm	< LOD < LOQ	PASS
Butane, iso-	USP <467> by GC-MS	12.5 ppm	NMT 5,000 ppm	< LOD < LOQ	PASS
Butane, n-	USP <467> by GC-MS	12.5 ppm	NMT 5,000 ppm	< LOD < LOQ	PASS
Propane	USP <467> by GC-MS	12.5 ppm	NMT 5,000 ppm	< LOD < LOQ	PASS

	MICROBIOLOGICAL ASSAY									
Analysis	Test Method	LOQ	Test Results	Pass / Fail						
Total Aerobic Plate Count (TAPC)	Isolation Agar	10 CFU/gm	NMT 1,000 CFU/gm	< LOQ	PASS					
Total Yeast & Mold (TYM)	Isolation Agar	10 CFU/gm	NMT 100 CFU/gm	< LOQ	PASS					
Escherichia coli (E. coli)	Isolation Agar	1 CFU/gm	Absent	Absent	PASS					
Campylobacter	Isolation Agar	1 CFU/gm	Absent	Absent	PASS					
Listeria Monocytogenes	Isolation Agar	1 CFU/gm	Absent	Absent	PASS					
Salmonella	Isolation Agar	1 CFU/gm	Absent	Absent	PASS					
Shiga-Toxin E.coli (STEC)	Isolation Agar	1 CFU/gm	Absent	Absent	PASS					
Staphylococcus aureus	Isolation Agar	1 CFU/gm	Absent	Absent	PASS					
Yersinia	Isolation Agar	1 CFU/gm	Absent	Absent	PASS					



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			PESTICIDES	ASSAY		
Analysis	Test Method	LOD	LOQ	Specifications	Test Results	Pass / Fail
Acetamiprid	LC-MS/MS & GC-MS/MS	0.02 ppm	0.050 ppm	NMT 0.200 ppm	< LOD < LOQ	PASS
Aldicarb	LC-MS/MS & GC-MS/MS	0.020 ppm	0.050 ppm	NMT 0.400 ppm	< LOD < LOQ	PASS
Azoxystrobin	LC-MS/MS & GC-MS/MS	0.003 ppm	0.010 ppm	NMT 0.200 ppm	< LOD < LOQ	PASS
Bifenazate	LC-MS/MS & GC-MS/MS	0.002 ppm	0.005 ppm	NMT 0.200 ppm	< LOD < LOQ	PASS
Boscalid	LC-MS/MS & GC-MS/MS	0.020 ppm	0.050 ppm	NMT 0.200 ppm	< LOD < LOQ	PASS
Carbaryl (Sevin)	LC-MS/MS & GC-MS/MS	0.040 ppm	0.100 ppm	NMT 0.500 ppm	< LOD < LOQ	PASS
Carbofuran	LC-MS/MS & GC-MS/MS	0.020 ppm	0.050 ppm	NMT 0.200 ppm	< LOD < LOQ	PASS
Chlorantraniliprole	LC-MS/MS & GC-MS/MS	0.040 ppm	0.100 ppm	NMT 0.200 ppm	< LOD < LOQ	PASS
Chlorpyrifos	LC-MS/MS & GC-MS/MS	0.020 ppm	0.050 ppm	NMT 0.600 ppm	< LOD < LOQ	PASS
Cypermethrin	LC-MS/MS & GC-MS/MS	0.009 ppm	0.025 ppm	NMT 18.0 ppm	< LOD < LOQ	PASS
Diazinon	LC-MS/MS & GC-MS/MS	0.020 ppm	0.050 ppm	NMT 2.600 ppm	< LOD < LOQ	PASS
Dichlorvos	LC-MS/MS & GC-MS/MS	0.020 ppm	0.050 ppm	NMT 0.100 ppm	< LOD < LOQ	PASS
Ethoprophos (Prophos)	LC-MS/MS & GC-MS/MS	0.020 ppm	0.050 ppm	NMT 0.400 ppm	< LOD < LOQ	PASS
Etofenprox	LC-MS/MS & GC-MS/MS	0.020 ppm	0.050 ppm	NMT 0.400 ppm	< LOD < LOQ	PASS
Fipronil	LC-MS/MS & GC-MS/MS	0.020 ppm	0.050 ppm	NMT 1.000 ppm	< LOD < LOQ	PASS
Flonicamid	LC-MS/MS & GC-MS/MS	0.020 ppm	0.050 ppm	NMT 1.000 ppm	< LOD < LOQ	PASS
Imidacloprid	LC-MS/MS & GC-MS/MS	0.002 ppm	0.005 ppm	NMT 0.400 ppm	< LOD < LOQ	PASS
Metalaxyl	LC-MS/MS & GC-MS/MS	0.040 ppm	0.100 ppm	NMT 0.200 ppm	< LOD < LOQ	PASS
Methiocarb	LC-MS/MS & GC-MS/MS	0.020 ppm	0.050 ppm	NMT 0.400 ppm	< LOD < LOQ	PASS
Methomyl	LC-MS/MS & GC-MS/MS	0.070 ppm	0.200 ppm	NMT 0.400 ppm	< LOD < LOQ	PASS
Methyl parathion	LC-MS/MS & GC-MS/MS	0.020ppm	0.050 ppm	NMT 8.500 ppm	< LOD < LOQ	PASS
Myclobutanil	LC-MS/MS & GC-MS/MS	0.002 ppm	0.005 ppm	NMT 0.300 ppm	< LOD < LOQ	PASS
Oxamyl	LC-MS/MS & GC-MS/MS	0.090 ppm	0.250 ppm	NMT 1.000 ppm	< LOD < LOQ	PASS
Permethrin (mix of isomers)	LC-MS/MS & GC-MS/MS	0.007 ppm	0.020 ppm	NMT 1.100 ppm	< LOD < LOQ	PASS
Pyridaben	LC-MS/MS & GC-MS/MS	0.020 ppm	0.050 ppm	NMT 0.200 ppm	< LOD < LOQ	PASS
Spiroxamine	LC-MS/MS & GC-MS/MS	0.020 ppm	0.050 ppm	NMT 2.000 ppm	< LOD < LOQ	PASS
Tebuconazole	LC-MS/MS & GC-MS/MS	0.002 ppm	0.005 ppm	NMT 0.400 ppm	< LOD < LOQ	PASS
Thiacloprid	LC-MS/MS & GC-MS/MS	0.020 ppm	0.050 ppm	NMT 0.200 ppm	< LOD < LOQ	PASS



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PESTICIDES ASSAY								
Analysis Test Method LOD LOQ Specifications Test Results Pass / Fail								
Thiamethoxam	LC-MS/MS & GC-MS/MS	0.009 ppm	0.025 ppm	NMT 0.200 ppm	< LOD < LOQ	PASS		

MYCOTOXINS ASSAY							
Analysis	Test Method	LOD	LOQ	Specifications	Test Results	Pass / Fail	
Total Aflatoxins	LC-MS/MS	2 ppm	5 ppb	NMT 20 ppb (20 mcg/kg)	< LOQ	PASS	
Aflatoxin B1	LC-MS/MS	2 ppm	5 ppb	Report Only	< LOQ	Results Reported	
Aflatoxin B2	LC-MS/MS	2 ppm	5 ppb	Report Only	< LOQ	Results Reported	
Aflatoxin G1	LC-MS/MS	2 ppm	5 ppb	Report Only	< LOQ	Results Reported	
Aflatoxin G2	LC-MS/MS	2 ppm	5 ppb	Report Only	< LOQ	Results Reported	
Ochratoxin A	LC-MS/MS	2 ppm	5 ppb	NMT 20 ppb (20 mcg/kg)	< LOQ	PASS	

ASPERGILLUS ASSAY							
Analysis	Test Method	LOQ	Specifications	Test Results	Pass / Fail		
Aspergillus flavus	RT-PCR	1 CFU/g	Absent	Absent	PASS		
Aspergillus fumigatus	RT-PCR	1 CFU/g	Absent	Absent	PASS		
Aspergillus niger	RT-PCR	1 CFU/g	Absent	Absent	PASS		
Aspergillus terreus	RT-PCR	1 CFU/g	Absent	Absent	PASS		

TESTING FACILITY INFORMATION	SAMPLE INFORMATION		
Santé Laboratories 8201 East Riverside Drive, STE 650	Santé Sample ID: 213301 Receipt Date: 09/14/2021 / 02:25 PM CST / M. Cardona		
Austin, Texas 78744 USA	Receipt Condition: Good Analysis Start Date: 09/15/2021		

ADDITIONAL REPORT NOTES

The reported results presented in this document are only applicable to samples submitted to Santé Laboratories for testing and may not represent the entire lot and/or batch produced by the manufacturer. **Specifications provided by Sponsor. Average of duplicate preparations.**Cannabinoids tested according to performance methods by AOAC SMPR 2019.003.

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VERSION HISTORY				
Version	Effective Date	Summary of Changes		
00	09/22/2021	Initial Release		



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PRODUCT SAMPLE / IMAGE



REVIEWED AND APPROVED BY

--- DocuSigned by:

Brian Sloat

22 September 2021 | 3:55:11 PM PDT DD-MM-YY

Date

Brian Sloat, Ph.D.

Chief Scientific Officer / Quality Manager

Santé Laboratories