



Q SOP.006.T3 CBD Product Certificate of Analysis (CofA) Template

Revision:00
 Revision Date: 06/10/2022
 Last Edits BY: JENA Murray
 Approval: Jena Murray
 Approval Date: 06/29/2022

≤PRODUCT INFO

PRODUCT NAME	Medterra OTC CBD 500mg Pain Cream 1.7oz	ITEM Number	7321021390500050
Lot Number	202409209	Amount Per Bottle:	1.7 OZ
Expiration Date:	04/2026	Storage Recommendation:	Room temperature, away from light.

PHYSICAL QUALITIES

STRENGTH	500mg CBD per Container	COLOR	White
SIZE	1.7 oz	ODOR	Menthol
ADDITIONAL INFO	n/a	FLAVOR	n/a

Test Performed:	PASS / FAIL
Potency:	Pass
Heavy Metals:	Pass
Mycotoxins:	Pass
Pesticides:	Pass
Residual Solvents:	Pass
Listeria Monocytogenes:	Pass
Pathogens:	Pass

Test Performed	Method	Specification	Result	Pass/Fail
CBD	UHPLC - DAD	≥ 500mg / Container	504.74mg / Container	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
THC	UHPLC - DAD	≤ 0.01%	ND	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Menthol	ICP-MS	≥ 4%	Pass	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Arsenic	ICP-MS	≤ 1500ppb	0.017	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Cadmium	ICP-MS	≤ 500ppb	ND	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Lead	ICP-MS	≤ 500ppb	0.174	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Mercury	ICP-MS	≤ 3000ppb	ND	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Aflatoxin B1	LCMS	≤ 20 ppb	ND	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Aflatoxin G1	LCMS	≤ 20 ppb	ND	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Ochratoxin A	LCMS	≤ 20 ppb	ND	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
E. Coli	USP2022	Absent	ND	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Salmonella	USP2022	Absent	ND	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail



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Test Performed	Method	Specification	Result	Pass/Fail
Aspergillus (Flavus, Fumigatus, Niger, Terreus)	qPCR	Absent	ND	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Listeria Monocytogenes	qPCR	Absent	NT	<input type="checkbox"/> Pass <input type="checkbox"/> Fail
Full Pesticide Panel (see attached results for each tested)	LCMS / GCMS	See attached results for Specification of each Pesticide tested	See Attached	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Residual Solvents (see attached results for each tested)	GCMS	See attached results for Specification of each Residual Solvent tested	See Attached	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail

NOTES:

n/a 04/30/2024 rcg

Released:

APPROVED

By Raquel Garza at 10:54 am, Apr 30, 2024

Quality Assurance: _____

Date: _____



Certificate of Analysis

QA SAMPLE - INFORMATIONAL ONLY

1 of 3

ICAL ID: 20240425-012
 Sample: CA240425-007-018
 Medterra OTC CBD Menthol Pain Relief Cream,
 500mg, 1.7oz
 Strain: Medterra OTC CBD Menthol Pain Relief
 Cream, 500mg, 1.7oz
 Category: Topical
 Type: Other

Medterra CBD
 Lic. #
 18500 Von Karman Ave
 Irvine, CA 92612
 Lic. #

Batch#: 202409209
 Batch Size Collected:
 Total Batch Size:
 Collected: 04/29/2024; Received: 04/29/2024
 Completed: 04/29/2024

Moisture NT Water Activity NT	Δ9-THC ND	CBD 504.74 mg/unit	Total Cannabinoids 504.74 mg/unit	Total Terpenes 3.678%
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Summary	SOP Used	Date Tested	
Batch			Pass
Cannabinoids	POT-PREP-005	04/25/2024	Complete
Terpenes	TERP-PREP-001	04/26/2024	Complete
Residual Solvents	RS-PREP-001	04/26/2024	Pass
Microbials	MICRO-PREP-001	04/26/2024	Pass
Mycotoxins	PESTMICO-LC-PREP-001	04/25/2024	Pass
Heavy Metals	HM-PREP-001	04/26/2024	Pass
Foreign Matter	FM-PREP-001	04/25/2024	Pass
Pesticides	PESTMICO-LC-PREP-001 / PEST-GC-PREP-001	04/25/2024	Pass



Scan to see results

Cannabinoid Profile

1 Unit = container, 50.3g.

Analyte	LOQ (mg/g)	LOD (mg/g)	%	mg/g	mg/unit	Analyte	LOQ (mg/g)	LOD (mg/g)	%	mg/g	mg/unit
THCa	0.0481	0.0160	ND	ND	ND	CBGa	0.0414	0.0100	ND	ND	ND
Δ9-THC	0.0414	0.0122	ND	ND	ND	CBG	0.0414	0.0056	ND	ND	ND
Δ8-THC	0.0414	0.0066	ND	ND	ND	CBN	0.0414	0.0089	ND	ND	ND
THCV	0.0414	0.0053	ND	ND	ND	Total THC			ND	ND	ND
CBDa	0.0532	0.0177	ND	ND	ND	Total CBD			1.00	10.03	504.74
CBD	0.0414	0.0055	1.003	10.03	504.74	Total			1.00	10.03	504.74
CBDV	0.0414	0.0062	<LOQ	<1	<LOQ						
CBC	0.0425	0.0142	ND	ND	ND						

Total THC=THCa * 0.877 + d9-THC + d8-THC; Total CBD = CBDa * 0.877 + CBD. LOD= Limit of Detection, LOQ= Limit of Quantitation, ND= Not Detected, NR= Not Reported. Potency is reported on a dry weight basis. Instrumentation and analysis SOPs used: Cannabinoids:UHPLC-DAD(POT-INST-005),Moisture:Moisture Analyzer(MOISTURE-001),Water Activity:Water Activity Meter(WA-INST-002), Foreign Material:Microscope(FOREIGN-001). Density measured at 19-24 °C, Water Activity measured at 0-90% RH. All QA submitted by the client, All CA State Compliance sampled using SAMPL-SOP-001.

Terpene Profile

Analyte	LOQ (mg/g)	LOD (mg/g)	%	mg/g	Analyte	LOQ (mg/g)	LOD (mg/g)	%	mg/g
Menthol	0.08	0.02	3.678	36.78	Citronellol	0.30	0.06	ND	ND
α-Bisabolol	0.08	0.02	ND	ND	δ-3-Carene	0.15	0.02	ND	ND
α-Cedrene	0.08	0.02	ND	ND	δ-Limonene	0.24	0.08	ND	ND
α-Humulene	0.08	0.01	ND	ND	Eucalyptol	0.08	0.02	ND	ND
α-Pinene	0.08	0.01	ND	ND	Fenchol	0.08	0.01	ND	ND
α-Terpinene	0.08	0.01	ND	ND	Fenchone	0.08	0.01	ND	ND
α-Terpineol	0.08	0.01	ND	ND	γ-Terpinene	0.08	0.03	ND	ND
β-Caryophyllene	0.30	0.07	ND	ND	Geraniol	0.30	0.04	ND	ND
β-Eudesmol	0.08	0.02	ND	ND	Geranyl Acetate	0.08	0.01	ND	ND
β-Myrcene	0.08	0.01	ND	ND	Isoborneol	0.08	0.01	ND	ND
β-Pinene	0.15	0.02	ND	ND	Linalool	0.08	0.02	ND	ND
Borneol	0.08	0.01	ND	ND	(-)-Guaiaol	0.08	0.02	ND	ND
Camphene	0.08	0.01	ND	ND	Pulegone	0.08	0.02	ND	ND
Camphor	0.15	0.03	ND	ND	p-Cymene	0.08	0.02	ND	ND
Caryophyllene Oxide	0.30	0.04	ND	ND	Terpinolene	0.08	0.01	ND	ND
Cedrol	0.08	0.02	ND	ND	trans-Nerolidol	0.05	0.01	ND	ND
cis-Nerolidol	0.11	0.03	ND	ND	Total			3.678	36.78

NR= Not Reported (no analysis was performed), ND= Not Detected (the concentration is less than the Limit of Detection (LOD)). Analytical instrumentation used: HS-GC-MS; samples analyzed according to SOP TERP-INST-003.



Infinite Chemical Analysis Labs
 8312 Miramar Mall
 San Diego, CA
 (858) 623-2740
 www.infiniteCAL.com
 Lic# C8-000047-LIC

Josh M Swider

Josh Swider
 Lab Director, Managing Partner
 04/29/2024

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 coa.support@confidentlims.com
 (866) 506-5866
 www.confidentlims.com



This product has been tested by Infinite Chemical Analysis, LLC using valid testing methodologies and a quality system as required by state law. All LQC samples were performed and met the prescribed acceptance criteria in 16 CCR section 15730, pursuant to 16 CCR section 15726(e)(13). Values reported relate only to the product tested. Infinite Chemical Analysis, LLC makes no claims as to the efficacy, safety or other risks associated with any detected or non-detected levels of any compounds reported herein. This Certificate shall not be reproduced except in full, without the written approval of Infinite Chemical Analysis, LLC.



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 Lic. #

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 Batch Size Collected:
 Total Batch Size:
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Residual Solvent Analysis

Category 1	LOQ	LOD	Limit	Status	Category 2	LOQ	LOD	Limit	Status	Category 2	LOQ	LOD	Limit	Status			
	µg/g	µg/g	µg/g	µg/g		µg/g	µg/g	µg/g	µg/g		µg/g	µg/g	µg/g	µg/g			
1,2-Dichloro-Ethane	ND	0.3	0.1	1	Pass	Acetone	ND	51.246	3.144	5000	Pass	n-Hexane	ND	0.729	0.179	290	Pass
Benzene	ND	0.1	0.0333	1	Pass	Acetonitrile	ND	1.723	0.574	410	Pass	Isopropanol	ND	0.335	0.112	5000	Pass
Chloroform	ND	0.154	0.0514	1	Pass	Butane	ND	8.36	2.787	5000	Pass	Methanol	ND	7.739	2.58	3000	Pass
Ethylene Oxide	ND	0.971	0.324	1	Pass	Ethanol	ND	5.814	1.938	5000	Pass	Pentane	ND	5.212	1.737	5000	Pass
Methylene-Chloride	ND	2.602	0.867	1	Pass	Ethyl-Acetate	ND	2.288	0.329	5000	Pass	Propane	ND	31.953	10.651	5000	Pass
Trichloroethene	ND	0.2	0.067	1	Pass	Ethyl-Ether	ND	2.869	0.901	5000	Pass	Toluene	ND	0.864	0.069	890	Pass
						Heptane	ND	2.859	0.748	5000	Pass	Xylenes	ND	2.572	0.444	2170	Pass

NR= Not Reported (no analysis was performed), ND= Not Detected (the concentration is less than the Limit of Detection (LOD)). Analytical instrumentation used: HS-GC-MS; samples analyzed according to SOP RS-INST-003.

Heavy Metal Screening

	LOQ	LOD	Limit	Status	
µg/g	µg/g	µg/g	µg/g		
Arsenic	0.017	0.009	0.003	1.5	Pass
Cadmium	ND	0.002	0.001	0.5	Pass
Lead	0.174	0.004	0.001	0.5	Pass
Mercury	ND	0.014	0.005	1.5	Pass

NR= Not Reported (no analysis was performed), ND= Not Detected (the concentration is less than the Limit of Detection (LOD)). Analytical instrumentation used: ICP-MS; samples analyzed according to SOP HM-INST-003.

Microbiological Screening

	Limit	Result	Status
	CFU/g	CFU/g	
Aspergillus flavus		Not Detected	Pass
Aspergillus fumigatus		Not Detected	Pass
Aspergillus niger		Not Detected	Pass
Aspergillus terreus		Not Detected	Pass
STEC		Not Detected	Pass
Salmonella SPP		Not Detected	Pass

ND=Not Detected. Analytical instrumentation used:qPCR; samples analyzed according to SOP MICRO-INST-001.



Infinite Chemical Analysis Labs
 8312 Miramar Mall
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 www.infiniteCAL.com
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Chemical Residue Screening

Category 1	LOQ	LOD	Status	Mycotoxins	LOQ	LOD	Limit	Status		
	µg/g	µg/g	µg/g		µg/kg	µg/kg	µg/kg	µg/kg		
Aldicarb	ND	0.030	0.010	Pass	B1	ND	5.88	1.94	Tested	
Carbofuran	ND	0.030	0.004	Pass	B2	ND	8.04	2.65	Tested	
Chlordane	ND	0.075	0.025	Pass	G1	ND	11.85	3.91	Tested	
Chlorfenapyr	ND	0.075	0.025	Pass	G2	ND	5	1.54	Tested	
Chlorpyrifos	ND	0.033	0.011	Pass	Ochratoxin A	ND	14.49	4.78	20	Pass
Coumaphos	ND	0.030	0.007	Pass	Total Aflatoxins	ND		20	Pass	
Daminozide	ND	0.058	0.019	Pass						
Dichlorvos	ND	0.051	0.017	Pass						
Dimethoate	ND	0.030	0.009	Pass						
Ethoprophos	ND	0.030	0.006	Pass						
Etofenprox	ND	0.030	0.006	Pass						
Fenoxycarb	ND	0.034	0.011	Pass						
Fipronil	ND	0.030	0.006	Pass						
Imazalil	ND	0.030	0.009	Pass						
Methiocarb	ND	0.030	0.010	Pass						
Mevinphos	ND	0.040	0.013	Pass						
Pacllobutrazol	ND	0.034	0.011	Pass						
Parathion Methyl	ND	0.024	0.008	Pass						
Propoxur	ND	0.030	0.007	Pass						
Spiroxamine	ND	0.030	0.004	Pass						
Thiacloprid	ND	0.030	0.003	Pass						

Category 2	LOQ	LOD	Limit	Status	Category 2	LOQ	LOD	Limit	Status		
	µg/g	µg/g	µg/g	µg/g		µg/g	µg/g	µg/g	µg/g		
Abamectin	ND	0.044	0.014	0.3	Pass	Kresoxim Methyl	ND	0.030	0.010	1	Pass
Acephate	ND	0.030	0.006	5	Pass	Malathion	ND	0.030	0.007	5	Pass
Acequinocyl	ND	0.085	0.028	4	Pass	Metalaxyl	ND	0.030	0.005	15	Pass
Acetamiprid	ND	0.030	0.007	5	Pass	Methomyl	ND	0.032	0.010	0.1	Pass
Azoxystrobin	ND	0.030	0.004	40	Pass	Myclobutanil	ND	0.030	0.010	9	Pass
Bifenazate	ND	0.030	0.008	5	Pass	Naled	ND	0.035	0.012	0.5	Pass
Bifenthrin	ND	0.049	0.016	0.5	Pass	Oxamyl	ND	0.031	0.010	0.3	Pass
Boscalid	ND	0.032	0.011	10	Pass	Pentachloronitrobenzene	ND	0.054	0.018	0.2	Pass
Captan	ND	0.358	0.120	5	Pass	Permethrin	ND	0.030	0.004	20	Pass
Carbaryl	ND	0.030	0.006	0.5	Pass	Phosmet	ND	0.030	0.008	0.2	Pass
Chlorantraniliprole	ND	0.030	0.007	40	Pass	Piperonyl Butoxide	ND	0.030	0.009	8	Pass
Clofentezine	ND	0.030	0.006	0.5	Pass	Prallethrin	ND	0.062	0.020	0.4	Pass
Cyfluthrin	ND	0.056	0.019	1	Pass	Propiconazole	ND	0.064	0.021	20	Pass
Cypermethrin	ND	0.044	0.015	1	Pass	Pyrethrins	ND	0.030	0.004	1	Pass
Diazinon	ND	0.082	0.027	0.2	Pass	Pyridaben	ND	0.030	0.008	3	Pass
Dimethomorph	ND	0.031	0.010	20	Pass	Spinetoram	ND	0.030	0.003	3	Pass
Etoxazole	ND	0.030	0.005	1.5	Pass	Spinosad	ND	0.030	0.003	3	Pass
Fenhexamid	ND	0.044	0.015	10	Pass	Spiromesifen	ND	0.031	0.010	12	Pass
Fenpyroximate	ND	0.030	0.010	2	Pass	Spirotetramat	ND	0.030	0.010	13	Pass
Flonicamid	ND	0.055	0.018	2	Pass	Tebuconazole	ND	0.065	0.021	2	Pass
Fludioxonil	ND	0.058	0.019	30	Pass	Thiamethoxam	ND	0.030	0.009	4.5	Pass
Hexythiazox	ND	0.066	0.022	2	Pass	Trifloxystrobin	ND	0.030	0.004	30	Pass
Imidacloprid	ND	0.070	0.023	3	Pass						

Other Analyte(s):

NR= Not Reported (no analysis was performed), ND= Not Detected (the concentration is less than the Limit of Detection (LOD)). Analytical instrumentation used: LC-MS-MS & GC-MS-MS; samples analyzed according to SOPs PESTMYCO-LC-INST-004 and PEST-GC-INST-003.



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