



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 Menthol Pain Relief Roll On, 1000mg Sample, 15ml	ITEM Number	7301038671000855
Lot Number	30271	Amount Per Bottle:	15mL
Expiration Date:	12/2025	Storage Recommendation:	Room temperature, away from light

PHYSICAL QUALITIES

STRENGTH	15mg CBD per container	COLOR	White
SIZE	15mL	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	LCUV / HPLC	≥15mg / container	20.05mg / container	☒ Pass ☐ Fail
THC	LCUV / HPLC	<0.01%	ND	☒ Pass ☐ Fail
Menthol	HS-GC-MS	≥4%	Pass	☒ Pass ☐ Fail
Arsenic	ICP-MS	≤ 1500ppb	ND	☒ Pass ☐ Fail
Cadmium	ICP-MS	≤ 500ppb	ND	☒ Pass ☐ Fail
Lead	ICP-MS	≤ 1200ppb	<LOQ	☒ Pass ☐ Fail
Mercury	ICP-MS	≤ 3000ppb	ND	☒ Pass ☐ Fail
Aflatoxin B1	LCMS	≤ 20 ppb	ND	☒ Pass ☐ Fail
Aflatoxin G1	LCMS	≤ 20 ppb	ND	☒ Pass ☐ Fail
Ochratoxin A	LCMS	≤ 20 ppb	ND	☒ Pass ☐ Fail
E. Coli	USP2022	Absent	ND	☒ Pass ☐ Fail
Salmonella	USP2022	Absent	ND	☒ Pass ☐ Fail



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Test Performed	Method	Specification	Result	Pass/Fail
Aspergillus (Flavus, Fumigatus, Niger, Terreus)	qPCR	Absent	ND	☒ Pass ☐ Fail
Listeria Monocytogenes	qPCR	Absent	NT	☒ Pass ☐ Fail
Full Pesticide Panel (see attached results for each tested)	LCMS / GCMS	See attached results for Specification of each Pesticide tested	See attached	☒ Pass ☐ Fail
Residual Solvents (see attached results for each tested)	GCMS	See attached results for Specification of each Residual Solvent tested	See attached	☒ Pass ☐ Fail

NOTES:

n/a 12/27/2022 JLM

Released:

APPROVED

By Jena Murray at 12:13 pm, Dec 27, 2022

Quality Assurance:

Date: 12/27/2022



Certificate of Analysis

QA SAMPLE - INFORMATIONAL ONLY

1 of 3

ICAL ID: 20221219-013
Sample: CA221219-013-056
Medterra 1000mg Pain Roll-On Sample, 15ml
Strain: Medterra 1000mg Pain Roll-On Sample, 15ml
Category: Topical
Type: Other

Medterra CBD
Lic. # KY P_2270
9805 Research Drive
Irvine, CA 92618
Lic. #

Batch#: 009L22
Batch Size Collected:
Total Batch Size:
Collected: 12/22/2022; Received: 12/22/2022
Completed: 12/22/2022

Moisture NT Water Activity NT	Δ9-THC ND	CBD 20.05 mg/mL	Total Cannabinoids 20.05 mg/mL	Total Terpenes 44.887 mg/g
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Summary

SOP Used	Date Tested	Pass
Batch		Complete
Cannabinoids	POT-PREP-005 High	Complete
Terpenes	TERP-PREP-001	Complete
Residual Solvents	RS-PREP-001	Pass
Microbials	MICRO-PREP-001	Pass
Mycotoxins	PESTMYCO-LC-PREP-001	Pass
Heavy Metals	HM-PREP-001	Pass
Foreign Matter	FM-PREP-001	Pass
Pesticides	PESTMYCO-LC-PREP-001 / PEST-GC-PREP-001	Pass



Scan to see results

Cannabinoid Profile

1 Unit = 15 mL container, 13.2 g. 1 mL = 0.88 g.

Analyte	LOQ (mg/g)	LOD (mg/g)	%	mg/g	mg/mL	mg/unit	Analyte	LOQ (mg/g)	LOD (mg/g)	%	mg/g	mg/mL	mg/unit
THCa	0.2406	0.0802	ND	ND	ND	ND	CBGa	0.1503	0.0501	ND	ND	ND	ND
Δ9-THC	0.1835	0.0612	ND	ND	ND	ND	CBG	0.0833	0.0278	ND	ND	ND	ND
Δ8-THC	0.0993	0.0331	ND	ND	ND	ND	CBN	0.1342	0.0447	ND	ND	ND	ND
THCV	0.0793	0.0264	ND	ND	ND	ND	Total THC			ND	ND	ND	ND
CBDa	0.2660	0.0887	ND	ND	ND	ND	Total CBD			2.28	22.79	20.05	300.81
CBD	0.0818	0.0273	2.279	22.79	20.05	300.81	Total			2.28	22.79	20.05	300.81
CBDV	0.0931	0.0310	ND	ND	ND	ND							
CBC	0.2124	0.0708	ND	ND	ND	ND							

Total THC=THCa * 0.877 + d9-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	0.151	0.032	4.4619	44.619	cis-Nerolidol	0.215	0.063	ND	ND
Linalool	0.154	0.044	0.0268	0.268	Citronellol	0.598	0.110	ND	ND
α-Bisabolol	0.151	0.045	ND	ND	δ-3-Carene	0.306	0.032	ND	ND
α-Cedrene	0.151	0.035	ND	ND	δ-Limonene	0.486	0.162	ND	ND
α-Humulene	0.151	0.023	ND	ND	Eucalyptol	0.153	0.046	ND	ND
α-Pinene	0.151	0.022	ND	ND	Fenchol	0.152	0.027	ND	ND
α-Terpinene	0.151	0.027	ND	ND	Fenchone	0.151	0.014	ND	ND
α-Terpineol	0.154	0.026	ND	ND	γ-Terpinene	0.152	0.051	ND	ND
β-Caryophyllene	0.608	0.135	ND	ND	Geraniol	0.609	0.076	ND	ND
β-Eudesmol	0.154	0.034	ND	ND	Geranyl Acetate	0.151	0.027	ND	ND
β-Myrcene	0.153	0.021	ND	ND	Isoborneol	0.151	0.025	ND	ND
β-Pinene	0.306	0.033	ND	ND	(-)-Guaiaol	0.154	0.031	ND	ND
Borneol	0.154	0.022	ND	ND	Pulegone	0.151	0.039	ND	ND
Camphene	0.151	0.023	ND	ND	p-Cymene	0.155	0.037	ND	ND
Camphor	0.306	0.050	ND	ND	Terpinolene	0.154	0.015	ND	ND
Caryophyllene Oxide	0.602	0.076	ND	ND	trans-Nerolidol	0.091	0.029	ND	ND
Cedrol	0.151	0.031	ND	ND	Total			4.4887	44.887

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.



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San Diego, CA
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Josh Swider
Lab Director, Managing Partner
12/22/2022

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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.



Certificate of Analysis

QA SAMPLE - INFORMATIONAL ONLY

2 of 3

ICAL ID: 20221219-013
Sample: CA221219-013-056
Medterra 1000mg Pain Roll-On Sample, 15ml
Strain: Medterra 1000mg Pain Roll-On Sample, 15ml
Category: Topical
Type: Other

Medterra CBD
Lic. # KY P_2270
9805 Research Drive
Irvine, CA 92618
Lic. #

Batch#: 009L22
Batch Size Collected:
Total Batch Size:
Collected: 12/22/2022; Received: 12/22/2022
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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	16.2	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	167279.4	5.814	1.938		Tested	Pentane	ND	5.212	1.737	5000		Pass	
Methylene-Chloride	ND	2.602	0.867		1	Pass	Ethyl-Acetate	2.6	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	ND	0.009	0.003	1.5	Pass
Cadmium	ND	0.002	0.001	0.5	Pass
Lead	<LOQ	0.004	0.001	0.5	Pass
Mercury	ND	0.014	0.005	3	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.



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Strain: Medterra 1000mg Pain Roll-On Sample, 15ml
Category: Topical
Type: Other

Medterra CBD
Lic. # KY P_2270
9805 Research Drive
Irvine, CA 92618
Lic. #

Batch#: 009L22
Batch Size Collected:
Total Batch Size:
Collected: 12/22/2022; Received: 12/22/2022
Completed: 12/22/2022

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						
Paclobutrazol	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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