

	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, 2oz	ITEM Number	7301031391000002
Lot Number	202427511	Amount Per Bottle:	2oz Roll On Container
Expiration Date:	10/2026	Storage Recommendation:	Room temperature, away from light.
PHYSICAL QUALITIES			
STRENGTH	1000mg CBD / 2oz Roll On Container	COLOR	White
SIZE	2oz	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	≥ 1000mg / Container	1091.09mg / 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	ND	<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	≤LOQ	<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:

na 10/21/2024 rcg

Released:

APPROVED

By Raquel Garza at 8:48 am, Oct 21, 2024

Quality Assurance: _____ Date: _____



Certificate of Analysis

QA SAMPLE - INFORMATIONAL ONLY

1 of 3

ICAL ID: 20241014-001
Sample: CA241014-007-009
Medterra CBD Menthol Pain Relief Roll On,
1000mg, 2oz
Strain: Medterra CBD Menthol Pain Relief Roll On,
1000mg, 2oz
Category: Topical
Type: Other

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

Batch#: 202427511
Batch Size Collected:
Total Batch Size:
Collected: 10/16/2024; Received: 10/16/2024
Completed: 10/16/2024

Moisture NT	Δ9-THC ND	CBD 1,091.09 mg/unit	Total Cannabinoids 1,091.09 mg/unit	Sum of Cannabinoids 1,091.09 mg/unit	Total Terpenes 67.480 mg/g
Water Activity NT					

Summary

	SOP Used	Date Tested	
Batch			Pass
Cannabinoids	POT-PREP-005	10/14/2024	Complete
Terpenes	TERP-PREP-001	10/15/2024	Complete
Residual Solvents	RS-PREP-001		Complete
Microbials	MICRO-PREP-001	10/15/2024	Pass
Mycotoxins	PESTMYCO-LC-PREP-001	10/15/2024	Pass
Heavy Metals	HM-PREP-001	10/14/2024	Pass
Foreign Matter	FM-PREP-001	10/14/2024	Pass
Pesticides	PESTMYCO-LC-PREP-001 / PEST-GC-PREP-001	10/14/2024	Pass



Scan to see results

Cannabinoid Profile

1 Unit = container, 59.9 g.

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			1.82	18.22	1091.09
CBD	0.0414	0.0055	1.822	18.22	1091.09	Total			1.82	18.22	1091.09
CBDV	0.0414	0.0062	ND	ND	ND	Sum of					
CBC	0.0425	0.0142	ND	ND	ND	Cannabinoids			1.82	18.22	1091.09

Total THC=THCa * 0.877 + d9-THC + d8-THC; Total CBD = CBDa * 0.877 + CBD. Total Cannabinoids=(Acidic Cannabinoids)*0.877+Non-acidic Cannabinoids; Sum of Cannabinoids=Acidic Cannabinoids+Non-acidic Cannabinoids. 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	0.076	0.016	5.4133	54.133	Camphor	0.153	0.025	ND	ND
Eucalyptol	0.077	0.023	0.9633	9.633	Caryophyllene Oxide	0.301	0.038	ND	ND
α-Terpineol	0.077	0.013	0.1342	1.342	Cedrol	0.076	0.016	ND	ND
δ-Limonene	0.243	0.081	0.0906	0.906	cis-Nerolidol	0.108	0.032	ND	ND
α-Pinene	0.076	0.011	0.0504	0.504	Citronellol	0.299	0.055	ND	ND
Linalool	0.077	0.022	0.0356	0.356	δ-3-Carene	0.153	0.016	ND	ND
β-Caryophyllene	0.304	0.068	0.0308	0.308	Fenchol	0.076	0.014	ND	ND
Pulegone	0.076	0.020	0.0194	0.194	Fenchone	0.076	0.007	ND	ND
α-Terpinene	0.076	0.014	0.0104	0.104	γ-Terpinene	0.076	0.026	ND	ND
α-Bisabolol	0.076	0.023	ND	ND	Geraniol	0.305	0.038	ND	ND
α-Cedrene	0.076	0.018	ND	ND	Geranyl Acetate	0.076	0.014	ND	ND
α-Humulene	0.076	0.012	ND	ND	Isoborneol	0.076	0.013	ND	ND
β-Eudesmol	0.077	0.017	ND	ND	(-)-Guaiaol	0.077	0.016	ND	ND
β-Myrcene	0.077	0.011	ND	ND	p-Cymene	0.078	0.019	ND	ND
β-Pinene	0.153	0.017	ND	ND	Terpinolene	0.077	0.008	ND	ND
Borneol	0.077	0.011	ND	ND	trans-Nerolidol	0.046	0.015	ND	ND
Camphene	0.076	0.012	ND	ND	Total			6.7480	67.480

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
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Josh M Swider

Josh Swider
Lab Director, Managing Partner
10/16/2024

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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: 20241014-001
Sample: CA241014-007-009
Medterra CBD Menthol Pain Relief Roll On,
1000mg, 2oz
Strain: Medterra CBD Menthol Pain Relief Roll On,
1000mg, 2oz
Category: Topical
Type: Other

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

Batch#: 202427511
Batch Size Collected:
Total Batch Size:
Collected: 10/16/2024; Received: 10/16/2024
Completed: 10/16/2024

Residual Solvent Analysis

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

NR= Not Reported (no analysis was performed), ND= Not Detected (the concentration is less then 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 then 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	
Total Aerobic Plate Count	10000	ND	Pass
Aspergillus flavus		Not Detected	Pass
Aspergillus fumigatus		Not Detected	Pass
Aspergillus niger		Not Detected	Pass
Aspergillus terreus		Not Detected	Pass
Total Coliforms	100	NR	NT
STEC		Not Detected	Pass
Enterobacteriaceae		NR	NT
Listeria		NR	NT
Pseudomonas aeruginosa		Not Detected	Pass
Salmonella SPP		Not Detected	Pass
Total E. coli		NR	NT
Staphylococcus aureus		Not Detected	Pass
Total Yeast and Mold	1000	ND	Pass

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



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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						
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
Etoazole	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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Certificate of Analysis Appendix

Residual Solvents - Utah Industrial Hemp

Analyte	Result (ug/g)	LOD (ug/g)	LOQ (ug/g)	Action Limit(ug/g)	Status
1,2 Dimethoxyethane	ND	5.9917	17.975	100	Pass
1,4 Dioxane	ND	12.8684	38.6052	380	Pass
1-Butanol	ND	3.1446	9.4337	5,000	Pass
1-Pentanol	ND	9.9794	29.9383	5,000	Pass
1-Propanol	ND	6.9987	20.9962	5,000	Pass
2-Butanol	ND	9.5709	28.7127	5,000	Pass
2-Butanone	ND	7.2129	21.6386	5,000	Pass
2-Ethoxyethanol	ND	3.8723	11.6169	160	Pass
2-methylbutane	ND	0.679	2.037	5,000	Pass
2-methylpentane	ND	9.0715	27.2145	290	Pass
3-methylpentane	ND	7.3795	22.1384	290	Pass
2-Propanol (IPA)	ND	11.5286	34.5857	5,000	Pass
Acetone	ND	8.2267	24.6802	5,000	Pass
Acetonitrile	ND	8.3746	25.1238	410	Pass
Benzene	ND	0.3588	1.0763	2	Pass
Butane	ND	9.552	28.6559	5,000	Pass
Cumene	ND	8.32	24.96	70	Pass
Cyclohexane	ND	8.4235	25.2705	3,880	Pass
Dichloromethane	ND	3.9511	11.8533	600	Pass
2,2-dimethylbutane	ND	0.8804	2.6412	290	Pass
2,3-dimethylbutane	ND	0.9493	2.8479	290	Pass
Dimethyl sulfoxide	ND	8.3992	25.1976	5,000	Pass
Ethanol	63691.6997	4.8156	14.4469	5,000	Fail
Ethyl acetate	ND	14.2542	42.7625	5,000	Pass
Ethyl ether	ND	6.8124	20.4372	5,000	Pass
Ethylene glycol	ND	3.4447	10.334	620	Pass
Ethylene Oxide	ND	6.5244	19.5733	50	Pass
Heptane	ND	0.4144	1.2431	5,000	Pass
Hexane	ND	0.5026	1.5078	290	Pass
Isobutane	ND	10.2495	30.7486	5,000	Pass
Isopropyl acetate	ND	4.1274	12.3823	5,000	Pass
Methanol	ND	18.42	55.26	3,000	Pass
N,N-dimethylacetamide	ND	268.955	806.8649	1,090	Pass
N,N-dimethylformamide	ND	2.7382	8.2147	880	Pass
Pentane	ND	0.8382	2.5146	5,000	Pass
Propane	ND	7.9467	23.8402	5,000	Pass
Pyridine	ND	19.55	58.64	100	Pass
Sulfolane	ND	22.886	68.6581	160	Pass
Tetrahydrofuran	ND	6.2156	18.6469	720	Pass
Toluene	ND	0.4061	1.2184	890	Pass
Total Xylenes	ND	10.3738	31.1216	2,170	Pass

Josh M Swider

Josh Swider
Lab Director, CEO

Medterra CBD Menthol Pain Relief Roll On, 1000mg, 2oz
10/15/2024