



# 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

<b>PRODUCT NAME</b>	Medterra Full Spectrum Sound Asleep High Potency Sleep Gummy, Blackberry, 50mgCBD/5mgTHC, 20ct	<b>ITEM Number</b>	M2GY0009
<b>Lot Number</b>	250811-56209	<b>Amount Per Bottle:</b>	20ct
<b>Expiration Date:</b>	02/2027	<b>Storage Recommendation:</b>	Room Temperature, away from light

## PHYSICAL QUALITIES

<b>STRENGTH</b>	50mgCBD/5mgTHC / gummy	<b>COLOR</b>	Purple
<b>SIZE</b>	20ct	<b>ODOR</b>	Fruity
<b>ADDITIONAL INFO</b>	n/a	<b>FLAVOR</b>	Blackberry

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

Test Performed	Method	Specification	Result	Pass/Fail
L-Theanine	HPLC	≥ 100mg / gummy	106mg / gummy	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
CBD	UHPLC - DAD	≥ 50mg / gummy	57.8mg / gummy	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
THC	UHPLC - DAD	≥ 5mg / gummy	5.51mg / gummy	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Additional Minor Cannabinoids**	UHPLC - DAD	≥ 3mg / gummy	3.01mg / gummy	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Melatonin	HPLC	≥ 3mg / gummy	Pass	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Arsenic	ICP-MS	≤ 1500ppb	Pass	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Cadmium	ICP-MS	≤ 500ppb	Pass	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Lead	ICP-MS	≤ 500ppb	Pass	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Mercury	ICP-MS	≤ 3000ppb	Pass	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Aflatoxin B1	LCMS	≤ 20 ppb	Pass	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Aflatoxin G1	LCMS	≤ 20 ppb	Pass	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail



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Test Performed	Method	Specification	Result	Pass/Fail
Ochratoxin A	LCMS	≤ 20 ppb	Pass	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
E. Coli	USP2022	Absent	Pass	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Salmonella	USP2022	Absent	Pass	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Aspergillus (Flavus, Fumigatus, Niger, Terreus)	qPCR	Absent	Pass	<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 09/09/2025 rcg

Released:

**APPROVED**

*By Raquel Garza at 2:55 pm, Sep 09, 2025*

Quality Assurance: \_\_\_\_\_ Date: \_\_\_\_\_

# Certificate of Analysis

Produced: Sep 04, 2025

**Sample:** Medterra Full Spectrum Sound Asleep High Potency Sleep Gummy, Blackberry, 50mgCBD/5mgTHC,20ct (Edible Solid) • **Client:** Medterra CBD • **Batch:** Pass



**Batch No.:** 250811-56209  
**Matrix:** Edible Solid  
**Sample ID:** ICC-250827-05-001  
**Collected on:** Aug 27, 2025  
**Received on:** Aug 27, 2025  
**Batch Size:**  
**Sample Size:**  
**Package Size:** 89.51 g  
**Serving Size:** 4.48 g

**Batch Result:** Pass

<b>Potency</b>	Tested	<b>Microbial</b>	Pass
<b>Alkaloids</b>	Tested	<b>Mycotoxins</b>	Pass
<b>Additives</b>	Tested	<b>Pesticides</b>	Pass
<b>Terpenes</b>	Tested	<b>Foreign</b>	Pass
<b>Solvents</b>	Pass	<b>Water Activity</b>	Pass
<b>Metals</b>	Pass		

### Cannabinoid Overview

<b>Δ<sup>9</sup>-THC:</b>	<b>5.51 mg/srv</b>
<b>CBD:</b>	<b>57.8 mg/srv</b>
<b>Total Cannabinoids:</b>	<b>84.7 mg/srv</b>
<b>Sum of Cannabinoids:</b>	<b>84.8 mg/srv</b>
<b>Sum of Terpenes:</b>	<b>1.65 mg/srv</b>

### POT-INST-005: POT-INST-005: Potency

Analyte	Amt (mg/srv)	Amt (mg/pkg)	Amt (%)	Amt (mg/g)	LOD/LOQ (mg/g)	Pass/Fail
CBC	8.60	172	0.192	1.92	0.0276/0.0828	N/A
CBD	57.8	1150	1.29	12.9	0.00844/0.0418	N/A
CBDA			ND	ND	0.0202/0.0605	N/A
CBDV	1.55	31.1	0.0347	0.347	0.00669/0.0418	N/A
CBG	4.43	88.4	0.0988	0.988	0.00953/0.0418	N/A
CBGA			ND	ND	0.0149/0.0447	N/A
CBL			ND	ND	0.00658/0.0418	N/A
CBN	2.22	44.4	0.0496	0.496	0.00953/0.0418	N/A

Analyte	Amt (mg/srv)	Amt (mg/pkg)	Amt (%)	Amt (mg/g)	LOD/LOQ (mg/g)	Pass/Fail
CBT	4.66	93.1	0.104	1.04	0.0120/0.0418	N/A
Δ <sup>8</sup> -THC			ND	ND	0.00677/0.0418	N/A
Δ <sup>9</sup> -THC	5.51	110	0.123	1.23	0.0112/0.0418	N/A
THCA			ND	ND	0.0154/0.0461	N/A
THCV			ND	ND	0.00517/0.0418	N/A
<b>Total THC**</b>	<b>5.51</b>	<b>110</b>	<b>0.123</b>	<b>1.23</b>		<b>N/A</b>
<b>Total CBD**</b>	<b>57.8</b>	<b>1150</b>	<b>1.29</b>	<b>12.9</b>		<b>N/A</b>
<b>Total Cannabinoids**</b>	<b>84.8</b>	<b>1690</b>	<b>1.89</b>	<b>18.9</b>		<b>N/A</b>

\*\* Total Cannabinoids = Neutral Cannabinoids + (Acidic Cannabinoids \* 0.877)

\*\* Total THC = Delta-9-THC + (THCA x 0.877)

\*\* Total CBD = CBD + (CBDA x 0.877)

NR= Not Reported, ND= Not Detected, \*Reported by Dry Mass\*; \*analytical instrumentation used Cannabinoids: UHPLC-DAD, Moisture: Mass by Drying, Water Activity: Water Activity Meter, Foreign: Microscope\*

\*Density tested at a temperature range between 19-24 °C, \*Water Activity tested at a humidity range between 0-90% Relative Humidity. All OA samples are sampled by the client, All California State Compliant samples sampled using SAMPL-SOP-001.



## L-Theanine • Aug 29, 2025

Analyte	Amt (mg/srv)	Amt (mg/pkg)	Amt (%)	LOD/LOQ (mg/g)
L-Theanine	106	2110	2.36	0.0602/0.916

Compliance requirements for this test are taken from No Compliance regulations.

## SUPP-006: SUPP-006: Melatonin • Aug 29, 2025

Analyte	Amt (mg/srv)	Amt (mg/pkg)	Amt (%)	LOD/LOQ (mg/g)
Melatonin	3.01	60.1	0.0671	0.00807/0.0900

Compliance requirements for this test are taken from CA Cannabis/Hemp (Based on Submission Type) regulations.

## TERP-INST-003, TERP-PREP-001: TERP-INST-003, TERP-PREP-001: Terpene Testing by GC-MS • Aug 29, 2025

Analyte	Amt (%)	Amt (mg/g)	LOD/LOQ (mg/g)	Analyte	Amt (%)	Amt (mg/g)	LOD/LOQ (mg/g)
Total Terpenes	0.0368	0.368		Cedrol	ND	ND	0.00197/0.00760
Limonene	0.0368	0.368	0.00484/0.0154	cis-Nerolidol	ND	ND	0.00471/0.0141
(-)-β-Citronellol	ND	ND	0.00696/0.0300	Δ <sup>3</sup> -Carene	ND	ND	0.000712/0.0154
α-Bisabolol	ND	ND	0.00337/0.0101	Eucalyptol	ND	ND	0.00360/0.0108
α-Cedrene	ND	ND	0.00208/0.00760	Fenchol	ND	ND	0.000551/0.00762
α-Humulene	ND	ND	0.000512/0.00760	Fenchone	ND	ND	0.000345/0.00761
α-Pinene	ND	ND	0.00131/0.00760	γ-Terpinene	ND	ND	0.00147/0.00763
α-Terpinene	ND	ND	0.00201/0.00760	Geraniol	ND	ND	0.00544/0.0306
α-Terpineol	ND	ND	0.000793/0.00776	Geranyl Acetate	ND	ND	0.00162/0.00760
β-Caryophyllene	ND	ND	0.00990/0.0306	Guaiol	ND	ND	0.00425/0.0127
β-Eudesmol	ND	ND	0.00253/0.00776	Isoborneol	ND	ND	0.00101/0.00761
β-Myrcene	ND	ND	0.000791/0.00771	Linalool	ND	ND	0.00148/0.00775
β-Pinene	ND	ND	0.00119/0.0154	Menthol	ND	ND	0.00164/0.00760
Borneol	ND	ND	0.00117/0.00776	p-Cymene	ND	ND	0.00190/0.00777
Camphene	ND	ND	0.00101/0.00760	Pulegone	ND	ND	0.00276/0.00829
Camphor	ND	ND	0.00309/0.0154	Terpinolene	ND	ND	0.00105/0.00777
Caryophyllene Oxide	ND	ND	0.00322/0.0303	trans-Nerolidol	ND	ND	0.00284/0.00853

Compliance requirements for this test are taken from CA Cannabis/Hemp (Based on Submission Type) regulations.

## Utah RS-INST-003, Utah RS-PREP-001: Utah RS-INST-003, Utah RS-PREP-001: Utah Residual Solvents by GC-MS • Aug 28, 2025

Analyte	Limit (µg/g)	Amt (µg/g)	LOD/LOQ (µg/g)	Pass/Fail	Analyte	Limit (µg/g)	Amt (µg/g)	LOD/LOQ (µg/g)	Pass/Fail
1,2-Dimethoxyethane	100	ND	6.00/18.0	Pass	Ethyl acetate	5000	ND	14.3/42.8	Pass
1,4-Dioxane	380	ND	12.9/38.6	Pass	Ethylbenzene		ND	3.50/10.5	N/A
1-Butanol	5000	ND	3.10/9.40	Pass	Ethylene glycol	620	ND	3.40/10.3	Pass
1-Pentanol	5000	ND	10.0/29.9	Pass	Ethylene oxide	50	ND	6.50/19.6	Pass
2,2-Dimethylbutane	290	ND	0.900/2.60	Pass	Ethyl ether	5000	ND	6.80/20.4	Pass
2,3-Dimethylbutane	290	ND	0.900/2.80	Pass	Heptane	5000	ND	0.400/1.20	Pass
2-Butanol	5000	ND	9.60/28.7	Pass	Hexane	290	ND	0.500/1.50	Pass
2-Butanone	5000	ND	7.20/21.6	Pass	Isopropyl acetate	5000	ND	4.10/12.4	Pass
2-Ethoxyethanol	160	ND	3.90/11.6	Pass	Methanol	3000	58.6	18.4/55.3	Pass
2-Methylbutane	5000	ND	0.700/2.00	Pass	Methylpropane	5000	ND	10.2/30.7	Pass
2-Methylpentane	290	ND	9.10/27.2	Pass	N,N-Dimethylacetamide	1090	ND	269/807	Pass
2-Propanol	5000	ND	11.5/34.6	Pass	N,N-Dimethylformamide	880	ND	2.70/8.20	Pass
3-Methylpentane	290	ND	7.40/22.1	Pass	Pentane	5000	ND	0.800/2.50	Pass
Acetone	5000	48.5	8.20/24.7	Pass	Propane	5000	ND	7.90/23.8	Pass
Acetonitrile	410	ND	8.40/25.1	Pass	Propanol	5000	ND	7.00/21.0	Pass
Benzene	2	ND	0.400/1.10	Pass	Pyridine	100	ND	19.6/58.6	Pass
Butane	5000	ND	9.60/28.7	Pass	Sulfolane	160	ND	22.9/68.7	Pass
Cumene	70	ND	8.30/25.0	Pass	Tetrahydrofuran	720	ND	6.20/18.6	Pass
Cyclohexane	3880	ND	8.40/25.3	Pass	Toluene	890	ND	0.400/1.20	Pass
Dichloromethane	600	ND	4.00/11.9	Pass	o-Xylene		ND	8.80/26.3	N/A
Dimethyl sulfoxide	5000	ND	8.40/25.2	Pass	p- and m-Xylene		ND	1.60/4.90	N/A
Ethanol	5000	ND	4.80/14.4	Pass	Total xylenes + Ethylbenzene	2170	ND		Pass

Compliance requirements for this test are taken from UT Hemp regulations.

## HM-INST-003, HM-PREP-001: HM-INST-003, HM-PREP-001: Heavy Metals Testing by ICP-MS • Aug 27, 2025

Analyte	Limit (µg/g)	Amt (µg/g)	LOD/LOQ (µg/g)	Pass/Fail	Analyte	Limit (µg/g)	Amt (µg/g)	LOD/LOQ (µg/g)	Pass/Fail
Arsenic	1.5	ND	0.00300/0.00900	Pass	Lead	0.5	< LOQ	0.00100/0.00400	Pass
Cadmium	0.5	ND	0.00100/0.00200	Pass	Mercury	3	ND	0.00500/0.0140	Pass

Compliance requirements for this test are taken from CA Cannabis/Hemp (Based on Submission Type) regulations.



**MICRO-008, MICRO-INST-001, MICRO-PREP-001: MICRO-008, MICRO-INST-001, MICRO-PREP-001: PCR-Microbial (noninhalable) • Aug 28, 2025**

Analyte	Limit	Amt	Pass/Fail	Analyte	Limit	Amt	Pass/Fail
Salmonella spp.	Any amt in 1 gram	ND	Pass	Shiga toxin-producing E. coli	Any amt in 1 gram	ND	Pass

Compliance requirements for this test are taken from CA Cannabis/Hemp (Based on Submission Type) regulations.

**PCR-Staphylococcus aureus/Pseudomonas aeruginosa • Aug 28, 2025**

Analyte	Limit	Amt (CFU/g)	Pass/Fail	Analyte	Limit	Amt (CFU/g)	Pass/Fail
Pseudomonas aeruginosa		ND	N/A	Staphylococcus aureus		ND	N/A

Compliance requirements for this test are taken from CO Hemp regulations.

**MICR-004, MICR-006: MICR-004, MICR-006: Petrifilm-Rapid Yeast & Mold • Aug 29, 2025**

Analyte	Limit (CFU/g)	Amt (CFU/g)	Pass/Fail
Yeast & Mold	1000	ND	Pass

Compliance requirements for this test are taken from CO Hemp regulations.

**MICR-001, MICR-003: MICR-001, MICR-003: Petrifilm-Aerobic • Sep 04, 2025**

Analyte	Limit (CFU/g)	Amt (CFU/g)	Pass/Fail
Aerobic Bacteria	10000	ND	Pass

Compliance requirements for this test are taken from CO Hemp regulations.

**PESTMYCO-LC-INST-004, PESTMYCO-LC-PREP-001: PESTMYCO-LC-INST-004, PESTMYCO-LC-PREP-001: Mycotoxin Analysis by LC-MS/MS • Sep 02, 2025**

Analyte	Limit (µg/kg)	Amt (µg/kg)	LOD/LOQ (µg/kg)	Pass/Fail	Analyte	Limit (µg/kg)	Amt (µg/kg)	LOD/LOQ (µg/kg)	Pass/Fail
Aflatoxin B1		ND	2.60/7.88	N/A	Aflatoxin G2		ND	1.89/5.72	N/A
Aflatoxin B2		ND	2.04/6.18	N/A	Aflatoxins	20	ND		Pass
Aflatoxin G1		ND	2.97/8.99	N/A	Ochratoxin A	20	ND	3.87/11.7	Pass

Compliance requirements for this test are taken from CA Cannabis/Hemp (Based on Submission Type) regulations.

**PEST-GC-INST-003, PEST-GC-PREP-001: PEST-GC-INST-003, PEST-GC-PREP-001: Pesticide Analysis by GC-MS/MS • Aug 29, 2025**

Analyte	Limit (µg/g)	Amt (µg/g)	LOD/LOQ (µg/g)	Pass/Fail	Analyte	Limit (µg/g)	Amt (µg/g)	LOD/LOQ (µg/g)	Pass/Fail
Captan	5	ND	0.120/0.358	Pass	Cypermethrin	1	ND	0.0145/0.0435	Pass
Chlordane	Any amt	ND	0.0249/0.0747	Pass	Methyl parathion	Any amt	ND	0.00811/0.0243	Pass
Chlorfenapyr	Any amt	ND	0.0251/0.0753	Pass	Pentachloronitrobenzene	0.2	ND	0.0182/0.0545	Pass
Cyfluthrin	1	ND	0.0186/0.0558	Pass					

Compliance requirements for this test are taken from CA Cannabis/Hemp (Based on Submission Type) regulations.



**PESTMYCO-LC-INST-004, PESTMYCO-LC-PREP-001: PESTMYCO-LC-INST-004, PESTMYCO-LC-PREP-001: Pesticide Analysis by LC-MS/MS • Aug 29, 2025**

Analyte	Limit (µg/g)	Amt (µg/g)	LOD/LOQ (µg/g)	Pass/Fail	Analyte	Limit (µg/g)	Amt (µg/g)	LOD/LOQ (µg/g)	Pass/Fail
Abamectin	0.3	ND	0.0500/0.100	Pass	Imazalil	Any amt	ND	0.0156/0.0474	Pass
Acephate	5	ND	0.0164/0.0497	Pass	Imidacloprid	3	ND	0.0235/0.0711	Pass
Acequinocyl	4	ND	0.0194/0.0587	Pass	Kresoxim-methyl	1	ND	0.0125/0.0379	Pass
Acetamiprid	5	ND	0.0146/0.0442	Pass	Malathion	5	ND	0.0117/0.0354	Pass
Aldicarb	Any amt	ND	0.0216/0.0654	Pass	Metalaxyl	15	ND	0.0101/0.0306	Pass
Azoxystrobin	40	ND	0.00960/0.0291	Pass	Methiocarb	Any amt	ND	0.0156/0.0473	Pass
Bifenazate	5	ND	0.0115/0.0349	Pass	Methomyl	0.1	ND	0.0158/0.0479	Pass
Bifenthrin	0.5	ND	0.0130/0.0395	Pass	Mevinphos	Any amt	ND	0.0139/0.0423	Pass
Boscalid	10	ND	0.0197/0.0596	Pass	Myclobutanil	9	ND	0.0180/0.0546	Pass
Carbaryl	0.5	ND	0.0160/0.0486	Pass	Naled	0.5	ND	0.0170/0.0514	Pass
Carbofuran	Any amt	ND	0.00902/0.0300	Pass	Oxamyl	0.2	ND	0.0153/0.0465	Pass
Chlorantraniliprole	40	ND	0.0209/0.0632	Pass	Paclobotrazol	Any amt	ND	0.0132/0.0400	Pass
Chlorpyrifos	Any amt	ND	0.0176/0.0534	Pass	Permethrin	20	ND	0.00831/0.0300	Pass
Clofentezine	0.5	ND	0.0129/0.0389	Pass	Phosmet	0.2	ND	0.0125/0.0377	Pass
Coumaphos	Any amt	ND	0.0185/0.0559	Pass	Piperonylbutoxide	8	ND	0.00759/0.0300	Pass
Daminozide	Any amt	ND	0.0261/0.0791	Pass	Prallethrin	0.4	ND	0.0226/0.0685	Pass
Diazinon	0.2	ND	0.00645/0.0300	Pass	Propiconazole	20	ND	0.0195/0.0590	Pass
Dichlorvos	Any amt	ND	0.0223/0.0674	Pass	Propoxur	Any amt	ND	0.0155/0.0471	Pass
Dimethoate	Any amt	ND	0.0118/0.0356	Pass	Pyrethrins	1	ND	0.00431/0.0300	Pass
Dimethomorph	20	ND	0.0137/0.0416	Pass	Pyridaben	3	ND	0.0115/0.0350	Pass
Ethoprophos	Any amt	ND	0.0174/0.0528	Pass	Spinetoram	3	ND	0.00639/0.0300	Pass
Etofenprox	Any amt	ND	0.00849/0.0300	Pass	Spinosad	3	ND	0.00410/0.0300	Pass
Etoxazole	1.5	ND	0.00783/0.0300	Pass	Spiromesifen	12	ND	0.0137/0.0416	Pass
Fenhexamid	10	ND	0.0129/0.0392	Pass	Spirotetramat	13	ND	0.0134/0.0407	Pass
Fenoxycarb	Any amt	ND	0.0144/0.0435	Pass	Spiroxamine	Any amt	ND	0.0106/0.0320	Pass
Fenpyroximate	2	ND	0.00972/0.0300	Pass	Tebuconazole	2	ND	0.0144/0.0437	Pass
Fipronil	Any amt	ND	0.0148/0.0447	Pass	Thiacloprid	Any amt	ND	0.0139/0.0421	Pass
Flonicamid	2	ND	0.0268/0.0811	Pass	Thiamethoxam	4.5	ND	0.0181/0.0549	Pass
Fludioxonil	30	ND	0.0153/0.0464	Pass	Trifloxystrobin	30	ND	0.0102/0.0310	Pass
Hexythiazox	2	ND	0.0257/0.0778	Pass					

Compliance requirements for this test are taken from CA Cannabis/Hemp (Based on Submission Type) regulations.

**Water Activity by Water Activity Meter • Aug 27, 2025**

Analyte	Limit (Aw)	Amt (Aw)	Pass/Fail
Water Activity	0.85	0.583	Pass

Compliance requirements for this test are taken from CA Cannabis/Hemp (Based on Submission Type) regulations.

