



# CERTIFICATE OF ANALYSIS

STATUS: **RELEASED** REVISION: 00

DATE: 08/27/2021

Analysis ID No. 212898  
 TDA License No. 2020002  
 ISO/IEC No. 1055838  
 Customer No. 20210743  
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CUSTOMER INFORMATION		SAMPLE INFORMATION	
<b>Company Name:</b>	Medterra CBD	<b>Submitted Sample Name:</b>	Medterra 750MG Full Spectrum Chocolate Mint Tincture, 15 mL
<b>Address:</b>	9805 Research Dr; Irvine, California 92618 USA	<b>Submitted Sample Lot:</b>	LE210091
<b>Phone Number:</b>	800-972-1288	<b>Submitted Sample Description:</b>	Oil in Sealed Glass Tincture Bottle w/ Label; Stored at Room Temp
<b>Contact Name / Email:</b>	support@medterracbd.com	<b>Submitted Sample Product Type / Matrix:</b>	Hemp Extract / Tincture

TOTAL THC ASSAY (COMPLIANCE, USDA)								
Analysis	Test Method	LOD	LOQ	Specifications	Test Results			Pass / Fail
Δ9-THC	UHPLC-DAD	0.0007 w/w%	0.002 w/w%	w/w%: NMT 0.300 mg/g: NMT 3.00 (Δ9-THC States Only)	<b>Replicate 1</b>	<b>Replicate 2</b>	<b>Average</b>	PASS
					0.216 w/w% 2.136 mg/g	0.214 w/w% 2.138 mg/g	0.215 w/w% 2.150 mg/g	
THCa	UHPLC-DAD	0.0007 w/w%	0.002 w/w%	w/w%: Report Only mg/g: Report Only	<b>Replicate 1</b>	<b>Replicate 2</b>	<b>Average</b>	Results Reported
					< LOQ	< LOQ	< LOQ	
Total THC	UHPLC-DAD	0.0007 w/w%	0.002 w/w%	w/w%: NMT 0.300 mg/g: NMT 3.00	<b>Replicate 1</b>	<b>Replicate 2</b>	<b>Average</b>	PASS
					0.216 w/w% 2.136 mg/g	0.214 w/w% 2.138 mg/g	0.215 w/w% 2.150 mg/g	
Measurement Uncertainty (MU) = 0.02% at 0.3% THC					Total Potential THC = (THCa x 0.877)+ (Δ9-THC)			

LABEL CLAIM								
Analysis	Test Method	LOD	LOQ	Specifications	Test Results			Pass / Fail
CBD	UHPLC-DAD	0.0007 w/w%	0.002 w/w%	mg/unit: Report Only* Target: 750 mg/unit	<b>Replicate 1</b>	<b>Replicate 2</b>	<b>Average</b>	Results Reported
					791.632 mg/unit	797.587 mg/unit	794.609 mg/unit	
CBD	UHPLC-DAD	0.0007 w/w%	0.002 w/w%	% Label Claim: No Less Than (NLT) 100% Target: 100%	<b>Replicate 1</b>	<b>Replicate 2</b>	<b>Average</b>	PASS
					105.6%	106.3%	105.9%	
Density = 0.951 g/mL; *Unit = 0.5 Fl. Oz = 15 mL								

LABEL CLAIM								
Analysis	Test Method	LOD	LOQ	Specifications	Test Results			Pass / Fail
Δ9-THC	UHPLC-DAD	0.0007 w/w%	0.002 w/w%	mg/unit: Report Only* Target: 30 mg/unit	<b>Replicate 1</b>	<b>Replicate 2</b>	<b>Average</b>	Results Reported
					30.853 mg/unit	30.496 mg/unit	30.675 mg/unit	
Δ9-THC	UHPLC-DAD	0.0007 w/w%	0.002 w/w%	% Label Claim: No Less Than (NLT) 100% Target: 100%	<b>Replicate 1</b>	<b>Replicate 2</b>	<b>Average</b>	PASS
					102.8%	101.7%	102.2%	
Density = 0.951 g/mL; *Unit = 0.5 Fl. Oz = 15 mL								

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	5.570 w/w% 55.703 mg/g	Results Reported
CBDa	UHPLC-DAD	0.0007 w/w%	0.002 w/w%	w/w%: Report Only mg/g: Report Only	< LOQ	Results Reported
Δ9-THC	UHPLC-DAD	0.0007 w/w%	0.002 w/w%	w/w%: Report Only mg/g: Report Only	0.214 w/w% 2.136 mg/g	Results Reported
Δ8-THC	UHPLC-DAD	0.0007 w/w%	0.002 w/w%	w/w%: Report Only mg/g: Report Only	< LOQ	Results Reported
Exo-THC	UHPLC-DAD	0.0007 w/w%	0.002 w/w%	w/w%: Report Only mg/g: Report Only	< LOQ	Results Reported

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CANNABINOIDS ASSAY						
Analysis	Test Method	LOD	LOQ	Specifications	Test Results	Pass / Fail
THCa	UHPLC-DAD	0.0007 w/w%	0.002 w/w%	w/w%: Report Only mg/g: Report Only	< LOQ	Results Reported
CBG	UHPLC-DAD	0.0007 w/w%	0.002 w/w%	w/w%: Report Only mg/g: Report Only	0.533 w/w% 5.331 mg/g	Results Reported
CBGa	UHPLC-DAD	0.0007 w/w%	0.002 w/w%	w/w%: Report Only mg/g: Report Only	< LOQ	Results Reported
CBN	UHPLC-DAD	0.0007 w/w%	0.002 w/w%	w/w%: Report Only mg/g: Report Only	0.122 w/w% 1.218 mg/g	Results Reported
CBNa	UHPLC-DAD	0.0007 w/w%	0.002 w/w%	w/w%: Report Only mg/g: Report Only	< LOQ	Results Reported
CBC	UHPLC-DAD	0.0007 w/w%	0.002 w/w%	w/w%: Report Only mg/g: Report Only	0.324 w/w% 3.241 mg/g	Results Reported
CBCa	UHPLC-DAD	0.0007 w/w%	0.002 w/w%	w/w%: Report Only mg/g: Report Only	< LOQ	Results Reported
CBL	UHPLC-DAD	0.0007 w/w%	0.002 w/w%	w/w%: Report Only mg/g: Report Only	0.018 w/w% 0.179 mg/g	Results Reported
CBDV	UHPLC-DAD	0.0007 w/w%	0.002 w/w%	w/w%: Report Only mg/g: Report Only	0.042 w/w% 0.416 mg/g	Results Reported
CBDVa	UHPLC-DAD	0.0007 w/w%	0.002 w/w%	w/w%: Report Only mg/g: Report Only	< LOQ	Results Reported
THCV	UHPLC-DAD	0.0007 w/w%	0.002 w/w%	w/w%: Report Only mg/g: Report Only	0.014 w/w% 0.142 mg/g	Results Reported
THCVa	UHPLC-DAD	0.0007 w/w%	0.002 w/w%	w/w%: Report Only mg/g: Report Only	< LOQ	Results Reported
Total Cannabinoids	UHPLC-DAD	0.0007 w/w%	0.002 w/w%	w/w%: Report Only mg/g: Report Only	6.837 w/w% 68.365 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	24.1 ppb	PASS
Mercury	USP <232> <233> by ICP-MS	2 ppb	5 ppb	NMT 500 ppb	< LOQ	PASS
Cadmium	USP <232> <233> by ICP-MS	3 ppb	10 ppb	NMT 300 ppb	< LOQ	PASS
Arsenic	USP <232> <233> by ICP-MS	3 ppb	10 ppb	NMT 1500 ppb	< LOQ	PASS

RESIDUAL SOLVENTS ASSAY						
Analysis	Test Method	LOD	LOQ	Specifications	Test Results	Pass / Fail
1,1-Dichloroethene	USP <467> by GC-MS	0.007 ppm	0.4 ppm	NMT 8 ppm	< LOQ	PASS
1,1,1-Trichloroethane	USP <467> by GC-MS	1.25 ppm	75 ppm	NMT 1,500 ppm	< LOQ	PASS
1,2-Dichloroethane	USP <467> by GC-MS	0.005 ppm	0.25 ppm	NMT 5 ppm	< LOQ	PASS
Benzene	USP <467> by GC-MS	0.002 ppm	0.1 ppm	NMT 2 ppm	< LOQ	PASS
Carbon tetrachloride	USP <467> by GC-MS	0.004 ppm	0.2 ppm	NMT 4 ppm	< LOQ	PASS
1,2-dichloroethene (E,Z)	USP <467> by GC-MS	1.560 ppm	93.5 ppm	NMT 1870 ppm	< LOQ	PASS
1,2-Dimethoxyethane	USP <467> by GC-MS	0.090 ppm	5 ppm	NMT 100 ppm	< LOQ	PASS
1,2,3,4-tetrahydronaphthalene	USP <467> by GC-MS	0.090 ppm	5 ppm	NMT 100 ppm	< LOQ	PASS
1,4-Dioxane	USP <467> by GC-MS	0.320 ppm	19 ppm	NMT 380 ppm	< LOQ	PASS

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2-Hexanone	USP <467> by GC-MS	0.042 ppm	2.5 ppm	NMT 50 ppm	< LOQ	PASS
4-methyl-2-pentanone	USP <467> by GC-MS	4.20 ppm	225 ppm	NMT 4,500 ppm	< LOQ	PASS
Acetonitrile	USP <467> by GC-MS	0.350 ppm	20.5 ppm	NMT 410 ppm	< LOQ	PASS
Chlorobenzene	USP <467> by GC-MS	0.30 ppm	18 ppm	NMT 360 ppm	< LOQ	PASS
Chloroform	USP <467> by GC-MS	0.05 ppm	3 ppm	NMT 60 ppm	< LOQ	PASS
Cumene	USP <467> by GC-MS	0.06 ppm	3.5 ppm	NMT 70 ppm	< LOQ	PASS
Cyclohexane	USP <467> by GC-MS	3.3 ppm	194 ppm	NMT 3,880 ppm	< LOQ	PASS
Dichloromethane	USP <467> by GC-MS	0.50 ppm	30 ppm	NMT 600 ppm	< LOQ	PASS
Ethylbenzene	USP <467> by GC-MS	1.81 ppm	108.5 ppm	NMT 2,170 ppm	< LOQ	PASS
Hexane, n-	USP <467> by GC-MS	0.250 ppm	14.5 ppm	NMT 290 ppm	< LOQ	PASS
Methanol	USP <467> by GC-MS	2.5 ppm	150 ppm	NMT 3,000 ppm	< LOQ	PASS
Methylcyclohexane	USP <467> by GC-MS	0.98 ppm	59 ppm	NMT 1,180 ppm	< LOQ	PASS
Nitromethane	USP <467> by GC-MS	0.045 ppm	2.5 ppm	NMT 50 ppm	< LOQ	PASS
Pyridine	USP <467> by GC-MS	0.20 ppm	10 ppm	NMT 200 ppm	< LOQ	PASS
Sulfolane	USP <467> by GC-MS	0.60 ppm	8 ppm	NMT 160 ppm	< LOQ	PASS
Tetrahydrofuran	USP <467> by GC-MS	0.750 ppm	36 ppm	NMT 720 ppm	< LOQ	PASS
Toluene	USP <467> by GC-MS	0.07 ppm	44.5 ppm	NMT 890 ppm	< LOQ	PASS
Trichloroethene	USP <467> by GC-MS	36.2 ppm	4 ppm	NMT 80 ppm	< LOQ	PASS
Xylene, m-	USP <467> by GC-MS	1.81 ppm	108.5 ppm	NMT 2,170 ppm	< LOQ	PASS
Xylene, o-	USP <467> by GC-MS	1.81 ppm	108.5 ppm	NMT 2,170 ppm	< LOQ	PASS
Xylene, p-	USP <467> by GC-MS	4.2 ppm	108.5 ppm	NMT 2,170 ppm	< LOQ	PASS
1-Butanol	USP <467> by GC-MS	4.2 ppm	250 ppm	NMT 5,000 ppm	< LOQ	PASS
1-Pentanol	USP <467> by GC-MS	4.2 ppm	250 ppm	NMT 5,000 ppm	< LOQ	PASS
1-Propanol	USP <467> by GC-MS	4.2 ppm	250 ppm	NMT 5,000 ppm	< LOQ	PASS
2-Butanol	USP <467> by GC-MS	4.2 ppm	250 ppm	NMT 5,000 ppm	< LOQ	PASS
2-Butanone	USP <467> by GC-MS	4.2 ppm	250 ppm	NMT 5,000 ppm	< LOQ	PASS
2-methyl-1-propanol	USP <467> by GC-MS	4.2 ppm	250 ppm	NMT 5,000 ppm	< LOQ	PASS
2-Propanol	USP <467> by GC-MS	4.2 ppm	250 ppm	NMT 5,000 ppm	< LOQ	PASS
3-methyl-1-butanol	USP <467> by GC-MS	4.2 ppm	250 ppm	NMT 5,000 ppm	< LOQ	PASS
Acetone	USP <467> by GC-MS	4.2 ppm	250 ppm	NMT 5,000 ppm	< LOQ	PASS

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Anisole	USP <467> by GC-MS	4.2 ppm	250 ppm	NMT 5,000 ppm	< LOQ	PASS
Butyl acetate	USP <467> by GC-MS	4.2 ppm	250 ppm	NMT 5,000 ppm	< LOQ	PASS
Ethanol	USP <467> by GC-MS	4.2 ppm	250 ppm	NMT 5,000 ppm	< LOQ	PASS
Ethyl acetate	USP <467> by GC-MS	4.2 ppm	250 ppm	NMT 5,000 ppm	< LOQ	PASS
Ethyl ether	USP <467> by GC-MS	4.2 ppm	250 ppm	NMT 5,000 ppm	< LOQ	PASS
Ethyl formate	USP <467> by GC-MS	4.2 ppm	250 ppm	NMT 5,000 ppm	< LOQ	PASS
Heptane, n-	USP <467> by GC-MS	4.2 ppm	250 ppm	NMT 5,000 ppm	< LOQ	PASS
Isobutyl acetate	USP <467> by GC-MS	4.2 ppm	250 ppm	NMT 5,000 ppm	< LOQ	PASS
Isopropyl acetate	USP <467> by GC-MS	4.2 ppm	250 ppm	NMT 5,000 ppm	< LOQ	PASS
Methyl acetate	USP <467> by GC-MS	4.2 ppm	250 ppm	NMT 5,000 ppm	< LOQ	PASS
N,N-Dimethylsulfoxide	USP <467> by GC-MS	4.2 ppm	250 ppm	NMT 5,000 ppm	< LOQ	PASS
Pentane, n-	USP <467> by GC-MS	4.2 ppm	250 ppm	NMT 5,000 ppm	< LOQ	PASS
Propyl acetate	USP <467> by GC-MS	4.2 ppm	250 ppm	NMT 5,000 ppm	< LOQ	PASS
t-Butyl Methyl Ether	USP <467> by GC-MS	4.2 ppm	250 ppm	NMT 5,000 ppm	< LOQ	PASS
Triethylamine	USP <467> by GC-MS	4.2 ppm	250 ppm	NMT 5,000 ppm	< LOQ	PASS
Butane, iso-	USP <467> by GC-MS	4.2 ppm	250 ppm	NMT 5,000 ppm	< LOQ	PASS
Butane, n-	USP <467> by GC-MS	4.2 ppm	250 ppm	NMT 5,000 ppm	< LOQ	PASS
Propane	USP <467> by GC-MS	4.2 ppm	250 ppm	NMT 5,000 ppm	< LOQ	PASS
1,1-Dichloroethene	USP <467> by GC-MS	0.007 ppm	0.4 ppm	NMT 8 ppm	< LOQ	PASS
1,1,1-Trichloroethane	USP <467> by GC-MS	1.25 ppm	75 ppm	NMT 1,500 ppm	< LOQ	PASS

## MICROBIOLOGICAL ASSAY

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

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TERPENES ASSAY						
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$\alpha$ - Pinene	GC-FID	0.0009 w/w%	0.0025 w/w%	w/w%: Report Only mg/g: Report Only	< LOQ	Results Reported
Camphene	GC-FID	0.0009 w/w%	0.0025 w/w%	w/w%: Report Only mg/g: Report Only	< LOQ	Results Reported
$\beta$ - Myrcene	GC-FID	0.0009 w/w%	0.0025 w/w%	w/w%: Report Only mg/g: Report Only	< LOQ	Results Reported
$\beta$ - Pinene	GC-FID	0.0009 w/w%	0.0025 w/w%	w/w%: Report Only mg/g: Report Only	< LOQ	Results Reported
3 - Carene	GC-FID	0.0009 w/w%	0.0025 w/w%	w/w%: Report Only mg/g: Report Only	< LOQ	Results Reported
$\alpha$ - Terpinene	GC-FID	0.0009 w/w%	0.0025 w/w%	w/w%: Report Only mg/g: Report Only	< LOQ	Results Reported
E - Ocimene	GC-FID	0.0009 w/w%	0.0025 w/w%	w/w%: Report Only mg/g: Report Only	< LOQ	Results Reported
$\delta$ - Limonene	GC-FID	0.0009 w/w%	0.0025 w/w%	w/w%: Report Only mg/g: Report Only	0.005 w/w% 0.051 mg/g	Results Reported
p - Cymene	GC-FID	0.0009 w/w%	0.0025 w/w%	w/w%: Report Only mg/g: Report Only	< LOQ	Results Reported
Z - Ocimene	GC-FID	0.0009 w/w%	0.0025 w/w%	w/w%: Report Only mg/g: Report Only	< LOQ	Results Reported
Eucalyptol	GC-FID	0.0009 w/w%	0.0025 w/w%	w/w%: Report Only mg/g: Report Only	0.011 w/w% 0.113 mg/g	Results Reported
$\gamma$ - Terpinene	GC-FID	0.0009 w/w%	0.0025 w/w%	w/w%: Report Only mg/g: Report Only	< LOQ	Results Reported
Terpinolene	GC-FID	0.0009 w/w%	0.0025 w/w%	w/w%: Report Only mg/g: Report Only	< LOQ	Results Reported
Linalool	GC-FID	0.0009 w/w%	0.0025 w/w%	w/w%: Report Only mg/g: Report Only	< LOQ	Results Reported
Isopulegol	GC-FID	0.0009 w/w%	0.0025 w/w%	w/w%: Report Only mg/g: Report Only	0.003 w/w% 0.030 mg/g	Results Reported
Geraniol	GC-FID	0.0009 w/w%	0.0025 w/w%	w/w%: Report Only mg/g: Report Only	< LOQ	Results Reported
$\beta$ - Caryophyllene	GC-FID	0.0009 w/w%	0.0025 w/w%	w/w%: Report Only mg/g: Report Only	0.023 w/w% 0.235 mg/g	Results Reported
Humulene	GC-FID	0.0009 w/w%	0.0025 w/w%	w/w%: Report Only mg/g: Report Only	0.012 w/w% 0.116 mg/g	Results Reported
Cis - Nerolidol	GC-FID	0.0009 w/w%	0.0025 w/w%	w/w%: Report Only mg/g: Report Only	< LOQ	Results Reported
Trans - Nerolidol	GC-FID	0.0009 w/w%	0.0025 w/w%	w/w%: Report Only mg/g: Report Only	0.004 w/w% 0.037 mg/g	Results Reported
$\alpha$ - Guaiol	GC-FID	0.0009 w/w%	0.0025 w/w%	w/w%: Report Only mg/g: Report Only	0.023 w/w% 0.230 mg/g	Results Reported
Caryophyllene Oxide	GC-FID	0.0009 w/w%	0.0025 w/w%	w/w%: Report Only mg/g: Report Only	0.014 w/w% 0.143 mg/g	Results Reported
$\alpha$ - Bisabolol	GC-FID	0.0009 w/w%	0.0025 w/w%	w/w%: Report Only mg/g: Report Only	0.115 w/w% 1.146 mg/g	Results Reported
Total Terpenes	GC-FID	0.0009 w/w%	0.0025 w/w%	w/w%: Report Only mg/g: Report Only	0.212 w/w% 2.120 mg/g	Results Reported





# CERTIFICATE OF ANALYSIS

STATUS: **RELEASED** REVISION: 00

DATE: 08/27/2021

Analysis ID No. 212898  
 TDA License No. 2020002  
 ISO/IEC No. 1055838  
 Customer No. 20210743  
 Page No. Page 7 of 7

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
<b>Santé Laboratories</b> 8201 East Riverside Drive, STE 650 Austin, Texas 78744 USA	<b>Santé Sample ID:</b> 212898 <b>Receipt Date:</b> 08/20/2021 / 2:30 PM CST / S. ORTEGA <b>Receipt Condition:</b> Good <b>Analysis Start Date:</b> 08/20/2021

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. <b>Specifications provided by Sponsor. Average of duplicate preparations. Cannabinoids tested according to performance methods by AOAC SMPR 2019.003.</b> ©2020 Santé Laboratories, LLC – All Rights Reserved

VERSION HISTORY		
Version	Effective Date	Summary of Changes
00	08/27/2021	Initial Release

PRODUCT SAMPLE / IMAGE

REVIEWED AND APPROVED BY	
DocuSigned by:  <b>Brian Sloat, Ph.D.</b> Chief Scientific Officer / Quality Manager Santé Laboratories	27 August 2021   7:26:30 PM PDT DD-MM-YY Date