

Medicine Creek Analytics Certificate of Analysis

3700 Pacific HWY E, Ste 400, Fife, WA 98424
WA State I502 Certification 0018 | ISO 17025 91428 | Accreditation #91428



Sample: **FTC-081820-BST01**

#COC/INVOICE: **3505**

Laboratory ID **201013-052** Matrix **Tincture** Batch ID _____ Inventory ID _____

Tested for **Forgotten Trails CBD** Address **710 Artisan way STE. B dayton, wa 99328** License _____

Received **10/20/2020** Reported **10/28/2020**

Analyses executed **CAN, MET, MIC, TER, RES, PES, MYC** Unit Weight (mL): 29.5

CAN - Cannabinoid Profile Analysis

Analyzed **Oct 27, 2020** | Instrument **LC2040**

Analyte	LOD %	LOQ %	Result %	Result mg/g	Result mg/mL	Result mg/unit
CBDV	0.003	0.01	ND	ND	ND	ND
CBDA	0.003	0.01	ND	ND	ND	ND
CBD	0.003	0.01	2.863	28.632	26.914	793.96
CBGA	0.003	0.01	ND	ND	ND	ND
CBG	0.003	0.01	ND	ND	ND	ND
THCV	0.003	0.01	ND	ND	ND	ND
CBN	0.003	0.01	ND	ND	ND	ND
THCA	0.003	0.01	ND	ND	ND	ND
Δ9 THC	0.003	0.01	ND	ND	ND	ND
Δ8 THC	0.003	0.01	ND	ND	ND	ND
CBC	0.003	0.01	ND	ND	ND	ND
Total THC (THCa * 0.877 + THC)			0.000	0.000	0.000	0.000
Total CBD (CBDa * 0.877 + CBD)			2.863	28.632	26.914	793.960

MET - Heavy Metals Detection Analysis

Pass

Analyzed **Oct 23, 2020** | Instrument **ICP-MS**

Analyte	LOD ug/5g	LOQ ug/5g	Result ug/5g	WRL ug/5g	Analyte	LOD ug/5g	LOQ ug/5g	Result ug/5g	WRL ug/5g
Arsenic (As)	0.02	0.06	ND	10	Cadmium (Cd)	0.01	0.04	ND	4.1
Lead (Pb)	0.01	0.02	ND	6	Mercury (Hg)	0.02	0.07	ND	2

MIC - Microbial- I502 panel (3) Analysis

Pass

Analyzed **Oct 27, 2020** | Instrument **Plating**

Analyte	LOD CFU/g	LOQ CFU/g	Result CFU/g	WRL CFU/g	Analyte	LOD CFU/g	LOQ CFU/g	Result CFU/g	WRL CFU/g
E. coli			ND	DET/ND	Bile Tolerant gram neg	100.0		ND	1000
Salmonella	100.0		ND	DET/ND					

NR Not Reported
 ND Not Detected
 <LOD Below Lod
 NT Not Tested
 LOD Limit of Detection
 LOQ Limit of Quantification
 DET Detected below quantitation limit
 CFU/g Colony Forming Units per 1 gram
 TNTC Too Numerous to Count
 mg/g Milligrams per gram
 ppm Parts per million
 WRL Washington Regulatory Limit



Accreditation #91428



Authorized Signature

Amber R. Wise

Amber R. Wise, PhD
10/28/2020



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TER - Terpenes Analysis

Analyzed **Oct 23, 2020** | Instrument **GC-FID**

Analyte	LOD mg/g	LOQ mg/g	(%)	(mg/g)	Analyte	LOD mg/g	LOQ mg/g	(%)	(mg/g)
α-Pinene (a-Pin)	0.05	0.12	ND	ND	Camphene (Cam)	0.05	0.12	ND	ND
β-Myrcene (Myr)	0.05	0.12	ND	ND	β-pinene (b-Pin)	0.05	0.12	ND	ND
Δ3-Carene (3-Car)	0.05	0.12	ND	ND	α-Terpinene (a-Ter)	0.05	0.12	ND	ND
Limonene (Lim)	0.05	0.12	ND	ND	p-Cymene (p-Cym)	0.05	0.12	ND	ND
Ocimene 1 (Oci1)	0.05	0.12	ND	ND	Eucalyptol (Euca)	0.05	0.12	ND	ND
g-Terpinene (g-Ter)	0.05	0.12	ND	ND	Terpinolene (Terp)	0.05	0.12	ND	ND
Linalool (Lin)	0.05	0.12	ND	ND	Geraniol (Gera)	0.05	0.12	ND	ND
Isopulegol (Isop)	0.05	0.12	ND	ND	β-Caryophyllene (b-Cary)	0.05	0.12	0.012	0.12
α-Humulene (Hum)	0.05	0.12	ND	ND	cis-Nerolidol (ci-Ner)	0.05	0.12	ND	ND
trans-Nerolidol (tr-Ner)	0.05	0.12	ND	ND	Guaiol (Gua)	0.05	0.12	0.017	0.17
Caryophyllene Oxide (ca-Oxi)	0.05	0.12	ND	ND	α-Bisabolol (a-Bbis)	0.05	0.12	0.02	0.20
Total Terpene Concentration								0.05	0.49

RES - Residual Solvents Analysis

Pass

Analyzed **Oct 23, 2020** | Instrument **HS-GC-FID**

Analyte	Results PPM	WRL PPM	Analyte	Results PPM	WRL PPM
Acetone	ND	5000	Acetonitrile	ND	50
Benzene	ND	2	Butane	ND	5000
Chloroform	ND	2	Cyclohexane	ND	3880
Dichloromethane	ND	600	Ethanol	ND	5000
Ethyl acetate	ND	5000	Ethyl ether	ND	5000
Heptane	ND	5000	Hexane	ND	290
Isobutane	ND	5000	Methanol	ND	3000
Pentane	ND	5000	2-Propanol (IPA)	ND	5000
Propane	ND	5000	Toluene	ND	890
Xylene	ND	2170			

PES - Pesticides Screening Analysis

Pass

Analyzed **Oct 23, 2020** | Instrument **LC-MS/MS (ESI)**

Analyte	LOD ppm	LOQ ppm	Result ppm	WRL ppm	Analyte	LOD ppm	LOQ ppm	Result ppm	WRL ppm
3-Hydroxycarbofuran	0.075	0.25	ND	0.2	Abamectin B1a	0.15	0.45	ND	0.5
Acephate	0.1	0.3	ND	0.4	Acetamiprid	0.33	0.1	ND	0.2
Aldicarb Sulfone	0.05	0.2	ND	0.4	Aldicarb	0.075	0.25	ND	0.4
Aminocarb	0.033	0.1	ND	0.1	Azoxystrobin	0.05	0.2	ND	0.2
Benalaxyl	0.05	0.15	ND	0.1	Bifenthrin	0.05	0.2	ND	0.2
Bifenazate	0.05	0.2	ND	0.2	Boscalid			ND	0.4
Butafenacil	0.05	0.15	ND	0.1	Carbaryl	0.05	0.2	ND	0.2
Carbetamide	0.05	0.15	ND	0.1	Carbofuran	0.05	0.15	ND	0.2
Carboxin	0.05	0.15	ND	0.1	Carfentrazone-ethyl NH4	0.05	0.2	ND	0.1
Chlorantraniliprole	0.075	0.25	ND	0.2	Chlorotoluron	0.05	0.2	ND	0.1
Chloroxuron	0.05	0.15	ND	0.1	Chlorpyrifos	0.075	0.25	ND	0.2
Clofentezine			ND	0.2	Clothianidin	0.05	0.15	ND	0.1
Cyazofamid	0.05	0.15	ND	0.1	Cycluron	0.05	0.15	ND	0.1
Diazinon	0.05	0.2	ND	0.2	Dicrotophos	0.05	0.15	ND	0.1
Diethofencarb	0.05	0.15	ND	0.1	Dimethoate	0.05	0.2	ND	0.2
Dimethomorph	0.05	0.2	ND	0.1	Dimoxystrobin	0.05	0.15	ND	0.1
Diuron	0.1	0.3	ND	0.1	Epoxiconazole	0.075	0.25	ND	0.1
Ethiofencarb	0.075	0.25	ND	0.1	Ethoprophos	0.1	0.4	ND	0.2
Etofenprox	0.04	0.125	ND	0.4	Etoazole	0.05	0.2	ND	0.2

NR Not Reported
ND Not Detected
<LOD Below Lod
NT Not Tested
LOD Limit of Detection
LOQ Limit of Quantification
DET Detected below quantitation limit
CFU/g Colony Forming Units per 1 gram
TNTC Too Numerous to Count
mg/g Milligrams per gram
ppm Parts per million
WRL Washington Regulatory Limit



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Analyte	LOD ppm	LOQ ppm	Result ppm	WRL ppm	Analyte	LOD ppm	LOQ ppm	Result ppm	WRL ppm
Fenamidon	0.1	0.3	ND	0.1	Fenazaquin	0.05	0.2	ND	0.1
Fenoxycarb	0.05	0.2	ND	0.2	Fenpyroximate	0.04	0.125	ND	0.4
Fenuron	0.033	0.1	ND	0.1	Fipronil	0.1	0.3	ND	0.4
Flonicamid			ND	1	Fluazinam	0.075	0.25	ND	0.1
Fludioxonil			ND	0.4	Flufenacet	0.05	0.2	ND	0.1
Fluometuron	0.05	0.2	ND	0.1	Flutolanil	0.05	0.2	ND	0.1
Fluberidazole	0.033	0.1	ND	0.1	Furalaxyl	0.05	0.15	ND	0.2
Furathiocarb	0.05	0.2	ND	0.1	Hexythiazox	0.05	0.2	ND	1
Imazalil	0.1	0.4	ND	0.2	Imidacloprid	0.05	0.2	ND	0.4
Indoxacarb	0.05	0.2	ND	0.1	Iprovalicarb	0.05	0.2	ND	0.1
Isoprocarb	0.05	0.2	ND	0.1	Isoproturon	0.05	0.2	ND	0.1
Kresoxym-methyl	0.05	0.15	ND	0.4	Mandipropamid	0.05	0.2	ND	0.1
Mefenacet	0.05	0.15	ND	0.1	Malathion	0.05	0.2	ND	0.2
Mepronil			ND	0.1	Metalaxyl	0.05	0.15	ND	0.2
Methabenzthiazuron	0.05	0.15	ND	0.1	Methamidophos	0.033	0.1	ND	0.1
Methiocarb			ND	0.2	Methomyl	0.05	0.2	ND	0.4
Methoprotryne	0.05	0.2	ND	0.1	Methoxyfenozide	0.05	0.15	ND	0.1
Mexacarbate	0.033	0.1	ND	0.1	Monocrotophos			ND	0.1
Myclobutanil	0.075	0.25	ND	0.2	Nitenpyram	0.05	0.2	ND	0.1
Omethoate	0.05	0.2	ND	0.1	Oxadixyl	0.05	0.15	ND	0.2
Oxamyl	0.033	0.1	ND	0.1	Paclbutrazol	0.05	0.2	ND	0.4
Permethrin NH4	0.05	0.2	ND	0.2	Phosmet	0.05	0.2	ND	0.2
Picoxystrobin	0.05	0.2	ND	0.1	Piperonyl Butoxide	0.05	0.15	DET	2
Pirimicarb	0.05	0.15	ND	0.1	Prometon	0.05	0.15	ND	0.1
Propamocarb	0.04	0.125	ND	0.1	Propargite	0.04	0.125	ND	0.1
Propoxur	0.04	0.125	ND	0.2	Pymetrozine	0.05	0.2	ND	0.1
Pyracarbolid	0.04	0.125	ND	0.1	Pyraclostrobin	0.05	0.15	ND	0.1
Pyrethrin I			ND	1	Pyrethrin II			ND	1
Pyridaben	0.05	0.2	ND	0.2	Pyriproxyfen	0.05	0.15	ND	0.1
Quinoxifen	0.033	0.1	ND	0.1	Rotenone	0.05	0.2	ND	0.1
Spinosad A	0.05	0.2	ND	0.2	Spinosad D	0.05	0.2	ND	0.2
Spiromesifen	0.04	0.125	ND	0.2	Spirotetramat	0.05	0.2	ND	0.2
Spiroxamine	0.05	0.15	ND	0.4	Tebuconazole	0.05	0.2	ND	0.4
Tebufenozide	0.05	0.15	ND	0.1	Tebuthiuron	0.04	0.125	ND	0.1
Thiacloprid	0.05	0.15	ND	0.2	Thiamethoxam	0.05	0.2	ND	0.2
Thiobencarb	0.05	0.2	ND	0.1	Thiophanate-Methyl	0.05	0.15	ND	0.1
Tricyclazole	0.05	0.15	ND	0.1	Trifloxystrobin	0.04	0.125	ND	0.2
Triflumizole	0.05	0.15	ND	0.1	Uniconazole	0.075	0.25	ND	0.5
Vamidothion	0.033	0.1	ND	0.1	Zoxamide	0.05	0.2	ND	0.1

MYC - Mycotoxins Analysis

Pass

Analyzed Oct 23, 2020 | Instrument ELISA

Analyte	LOD ppb	Result ppb	WRL ppb	Analyte	LOD ppb	Result ppb	WRL ppb
Total Aflatoxins	3.0	ND	20	Ochratoxin A	1.9	ND	20

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LOD Limit of Detection
LOQ Limit of Quantification
DET Detected below quantitation limit
CFU/g Colony Forming Units per 1 gram
TNTC Too Numerous to Count
mg/g Milligrams per gram
ppm Parts per million
WRL Washington Regulatory Limit



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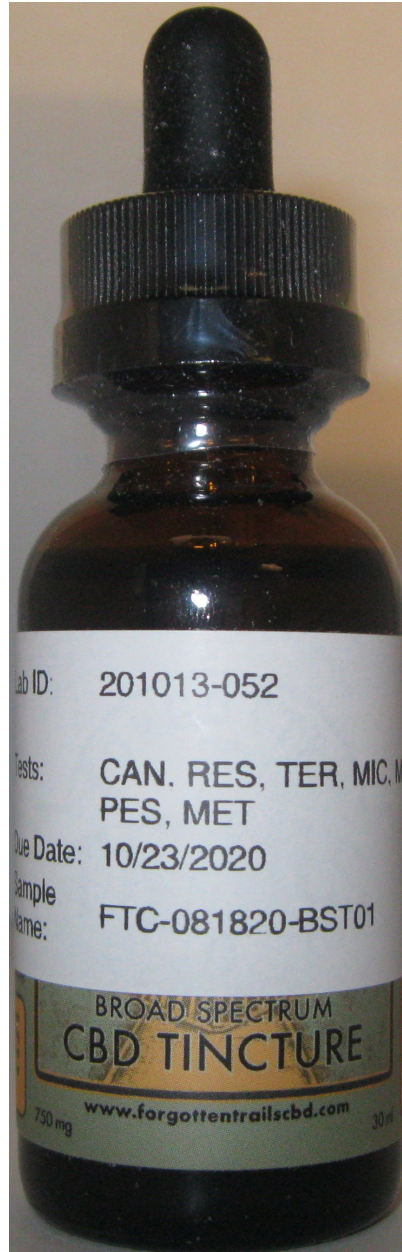
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