



T19HC03PFC

B9BYR Terrapeutics

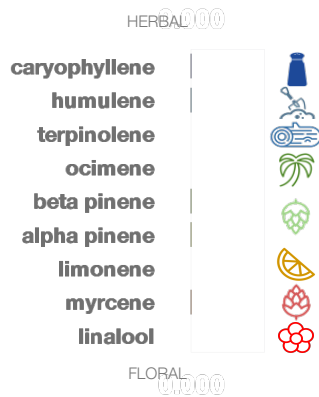
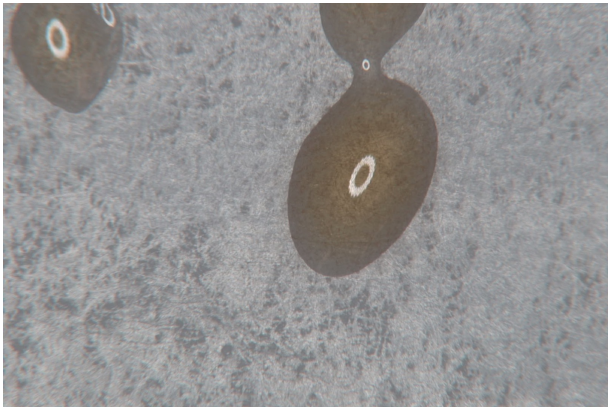
Montana Certificate of Analysis

Stillwater Laboratories Inc. MMJ Laboratory License L-00001

total cannabinoids		THC	CBD	total terpenes
91.1%	total	0.0%	86.0%	0.01%
	decarb total	0.0%	86.1%	

This Product Has Been Tested and Meets the Quality Assurance Requirements of the State of Montana

concentrate



Sample Handling

type	concentrate	order number	4023
lab ID	9CQ02	sample date	3/18/2019
location		test date	3/20/2019

Potency

		esti error	
tetrahydrocannabinolic acid (THCa)	0.00%	± 0.02	%
Δ ⁹ -tetrahydrocannabinol (Δ ⁹ THC)	0.00%	± 0.02	%
Δ ⁸ -tetrahydrocannabinol (Δ ⁸ THC)	0.00%	± 0.02	%
tetrahydrocannabivarin (THCv)	0.00%	± 0.02	%
cannabidiolic acid (CBDA)	0.62%	± 0.08	%
cannabidiol (CBD)	85.46%	± 0.94	%
cannabidivarin (CBDv)	0.65%	± 0.08	%
cannabigerolic acid (CBGa)	0.00%	± 0.02	%
cannabigerol (CBG)	4.39%	± 0.21	%
cannabinol (CBN)	0.00%	± 0.02	%
cannabichromene (CBC)	0.00%	± 0.02	%

Terpenes

	%	estimated error		%	estimated error
beta-myrcene	0.000%	± 0.0017 %	camphene	0.000%	± 0.0016 %
beta-caryophyllene	0.000%	± 0.0017 %	Δ3-carene	0.006%	± 0.0018 %
alpha-pinene	0.002%	± 0.0017 %	a-terpinene	0.000%	± 0.0016 %
beta-pinene	0.002%	± 0.0017 %	para-cymene	0.000%	± 0.0016 %
D-limonene	0.000%	± 0.0016 %	g-terpinene	0.000%	± 0.0016 %
linalool	0.000%	± 0.0016 %	(-)-isopulegol	0.000%	± 0.0016 %
ocimene	0.000%	± 0.0033 %	geraniol	0.000%	± 0.0016 %
terpinolene	0.000%	± 0.0016 %	cis-nerolidol	0.000%	± 0.0016 %
alpha-humulene	0.001%	± 0.0017 %	trans-nerolidol	0.000%	± 0.0016 %
			guaiaol	0.003%	± 0.0017 %
			beta-bisabolol	0.000%	± 0.0016 %
			eucalyptol	0.000%	± 0.0016 %
			caryophyllene oxide	0.000%	± 0.0016 %

Methods

method	%	equipment
sampling	/Users/ronbr	/Users/reportmac/Sy
FMI	IN9CM	
weights	MA9CM	AUX120.1
potency	8E4.lcm	LC-2030C
pesticides	MA9CM	LC-8060
mycotoxins	MY9CM	LC-8060
microbial	MI9CQS	Hardy Diagnostics
solvents	SO9CM	QP2020/HS-20

Solvents

Solvent	MT limit	9CQ02
propane	5,000	PASS
butanes	5,000	PASS
pentanes	5,000	PASS
hexanes	290	PASS
cyclohexane	3,880	PASS
heptanes	5,000	PASS
methanol	3,000	PASS
isopropanol	5,000	PASS
acetone	5,000	PASS
ethyl acetate	5,000	PASS
benzene	2	PASS
toluene	890	PASS
xylenes	2,170	PASS
chloroform	2	PASS
dichloromethane	600	PASS

Contaminants

Contaminant	MT limit	9CQ02	LOQ
abamectin	2.50 ppm	PASS	<70ppb
acequinocyl	10.00 ppm	PASS	<70ppb
bifenazate	1.00 ppm	PASS	<70ppb
bifenthrin	1.00 ppm	PASS	<70ppb
chlormequat cl.	5.00 ppm	PASS	<70ppb
cyfluthrin	5.00 ppm	PASS	<70ppb
daminozide	5.00 ppm	PASS	<70ppb
etoxazole	1.00 ppm	PASS	<70ppb
fenoxycarb	1.00 ppm	PASS	<70ppb
imazalil	1.00 ppm	PASS	<70ppb
imidacloprid	2.00 ppm	PASS	<70ppb
myclobutanil	1.00 ppm	PASS	<70ppb
paclobutrazol	2.00 ppm	PASS	<70ppb
pyrethrins	5.00 ppm	PASS	<70ppb
spinosad	1.00 ppm	PASS	<70ppb
spiromesifen	1.00 ppm	PASS	<70ppb
spirotetramat	1.00 ppm	PASS	<70ppb
trifloxystrobin	1.00 ppm	PASS	<70ppb
Aflatoxin B1, B2, G1, G2	20 ppb	PASS	<20 ppb
Ochratoxin A	20 ppb	PASS	<20 ppb
E. coli	10 CFU	PASS	<10 CFU/g
Salmonella sp.	10 CFU	PASS	<10 CFU/g
molds	10000 CFU	PASS	<10k CFU/g

Comments

no THC detected

• All testing was completed onsite at 6073 US93N, Olney MT •• Potency (cannabinoid concentration) is calculated from the equation: [cannabinoid] = [cannabinoid]_{HPLC} x volume_{dilution} / m_{dry}. Terpene concentration is calculated from the equation: [terpene] = (terpene mass)_{GCMS} / m_{dry}. ••• Decarboxyted cannabinoid concentration is calculated from the equation XXX_{total} = 0.877 x XXX_a + XXX •••• Standards are used to calibrate the resulting data and estimate error using a standard estimate of error method; this is combined with error from weighing and dilution using the propagation of error formula s_y² = Σ(∂f/∂i)²s_i² where i is the contributor to error. The 95% confidence range is calculated from the equation: (concentration) ± t_{CL90} x s_y. Sampling error is not considered in error calculations.

Certified by:

Ron Brost

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SO GCMS hexanes



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SO GCMS Heptanes