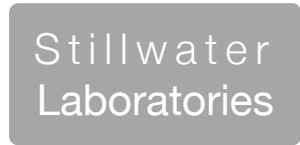




11/24/19 harvest date

total cannabinoids **23.9%**
 CBD 0.00% THC 21.86%
 decarb total 0% 19.21%
 1A4080100000A8D000000670

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



https://portal.a2la.org/scopepdf/4961-01.pdf

Sample Handling

test ID **S9IGZ** sample date 12/2/19 12:58 PM
 order **6042** labID **9MB33** weight 2.0 g
 source 1A4080100000A8D000000651

Methods

method	equipment
weights MSP-7.3.1.3	AUX120.1
potency MSP-7.5.1.5	LC-2030
terpenes MSP-7.5.1.7	QP2020/HS20
pesticides MSP-7.5.1.8	LC-8060
mycotoxins MSP-7.5.1.8	LC-8060
microbial MSP-7.5.1.9	Hardy Diag
solvents MSP-7.5.1.6	QP2020/HS20
metals MSP-7.5.1.10	ICPMS2030

flower

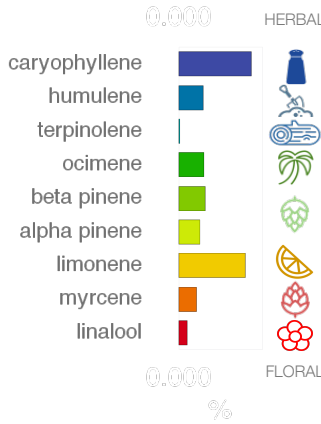
moisture **9.88%**

PASS

stems >3mm dia **0.00%**

seeds **0.96%**

PASS



bud



Potency

	%	estimated error
tetrahydrocannabinolic acid (THCa)	21.52%	± 0.38 %
Δ ⁹ -tetrahydrocannabinol (Δ ⁹ THC)	.31%	± 0.05 %
Δ ⁸ -tetrahydrocannabinol (Δ ⁸ THC)	.03%	± 0.02 %
tetrahydrocannabivarin (THCv)	ND	± 0.02 %
cannabidiolic acid (CBDa)	ND	± 0.02 %
cannabidiol (CBD)	ND	± 0.02 %
cannabidivarin (CBDv)	ND	± 0.02 %
cannabigerolic acid (CBGa)	1.5%	± 0.10 %
cannabigerol (CBG)	.33%	± 0.05 %
cannabinol (CBN)	.14%	± 0.03 %
cannabichromene (CBC)	.02%	± 0.02 %

Terpenes

	%	estimated error		%	estimated error		%	estimated error
β-myrcene	0.104%	± 0.0037 %	camphene	0.018%	± 0.0022 %	guaiol	0.011%	± 0.0020 %
β-caryophyllene	0.430%	± 0.0069 %	Δ ³ -carene	0.000%	± 0.0016 %	β-bisabolol	0.000%	± 0.0016 %
alpha-pinene	0.124%	± 0.0040 %	a-terpinene	0.000%	± 0.0016 %	eucalyptol	0.003%	± 0.0017 %
β-pinene	0.155%	± 0.0044 %	para-cymene	0.000%	± 0.0016 %			
D-limonene	0.397%	± 0.0067 %	g-terpinene	0.010%	± 0.0019 %			
linalool	0.047%	± 0.0028 %	(-)-isopulegol	0.000%	± 0.0016 %	total terpenes		
ocimene	0.148%	± 0.0086 %	geraniol	0.003%	± 0.0017 %			
terpinolene	0.003%	± 0.0017 %	cis-nerolidol	0.000%	± 0.0016 %			
alpha-humulene	0.144%	± 0.0042 %	trans-nerolidol	0.000%	± 0.0016 %			

1.62%

Solvents

solvents not tested / not required

Pesticides (MT)

	MT limit	9MB33	LOQ
abamectin	0.50 ppm	0.00 ppm	<10ppb
acequinocyl	2.00 ppm	0.00 ppm	<10ppb
bifenazate	0.20 ppm	0.00 ppm	<10ppb
bifenthrin	0.20 ppm	0.00 ppm	<10ppb
chlormequat cl.	1.00 ppm	0.00 ppm	<10ppb
cyfluthrin	1.00 ppm	0.00 ppm	<80ppb
diaminozide	1.00 ppm	0.00 ppm	<10ppb
etoxazole	0.20 ppm	0.00 ppm	<10ppb
fenoxycarb	0.20 ppm	0.00 ppm	<10ppb
imazalil	0.20 ppm	0.00 ppm	<10ppb
imidacloprid	0.40 ppm	0.00 ppm	<10ppb
myclobutanil	0.20 ppm	0.00 ppm	<10ppb
paclobutrazol	0.40 ppm	0.00 ppm	<10ppb
pyrethrins	1.00 ppm	0.00 ppm	<10ppb
spinosad	0.20 ppm	0.00 ppm	<10ppb
spiromesifen	0.20 ppm	0.00 ppm	<10ppb
spirotetramat	0.20 ppm	0.00 ppm	<10ppb
trifloxystrobin	0.20 ppm	0.00 ppm	<10ppb

not tested / not required

Toxic Metals

metals not tested / not required

Microbial

	MT limit	9MB33	LOQ
<i>E. coli</i>	10 CFU	0 CFU	<10 CFU/g
Salmonella sp.	10 CFU	0 CFU	<10 CFU/g
molds	10000 CFU	0 CFU	<10k CFU/g
Aflatoxin B1,B2,G1,G2	20 ppb	0 ppb	<20 ppb
Ochratoxin A	20 ppb	0 ppb	<20 ppb

Comments

CBGa = 1.5%

Certified by:

Kyle Larson, MSc (Biology)
 Deputy Director
 6073 US93N, Olney MT 59927
 406-881-2019 rdb@stwlabs.com

Printed 12/5/2019 11:40 AM

• 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_g² = Σ (∂f/∂i)² s_i² where i is the contributor to error. The 95% confidence range is calculated from the equation: (concentration) ± t_{CL90} X s_g. Sampling error is not