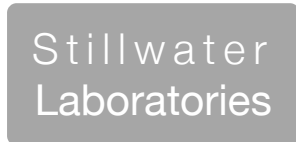




total cannabinoids **78.4%**  
 CBD decarb total 73.66%  
 Δ9-THC 2.36%



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

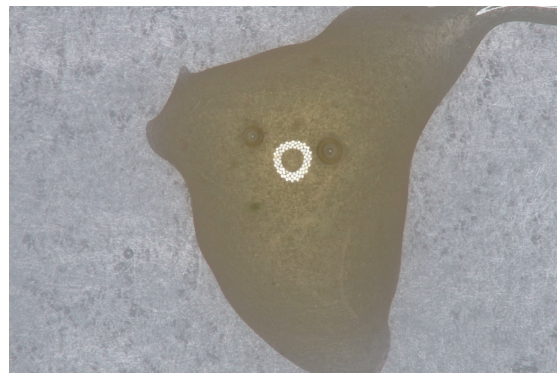
Sample Handling

test ID sample date 9/25/19 10:57 AM  
 order 5473 labID 9VN31 weight  
 source

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

distillate



Potency

	%	estimated error
tetrahydrocannabinolic acid (THCa)	ND	± 0.02 %
Δ <sup>9</sup> -tetrahydrocannabinol (Δ <sup>9</sup> THC)	2.36%	± 0.15 %
Δ <sup>8</sup> -tetrahydrocannabinol (Δ <sup>8</sup> THC)	.06%	± 0.03 %
tetrahydrocannabivarin (THCv)	ND	± 0.02 %
cannabidiolic acid (CBDA)	.55%	± 0.08 %
cannabidiol (CBD)	73.17%	± 0.85 %
cannabidivarin (CBDv)	.47%	± 0.07 %
cannabigerolic acid (CBGa)	ND	± 0.02 %
cannabigerol (CBG)	1.19%	± 0.11 %
cannabinol (CBN)	.33%	± 0.06 %
cannabichromene (CBC)	.27%	± 0.05 %

Terpenes

terpenes not tested / not required

Solvents

solvents not tested / not required

Pesticides (MT)

pesticides not tested / not required

Pesticides (other)

not tested / not required

Toxic Metals

metals not tested / not required

Microbial

microbial not tested

Comments

Certified by:

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 Deputy Director  
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• All testing was completed onsite at 6073 US93N, Olney MT •• Potency (cannabinoid concentration) is calculated from the equation: [cannabinoid] = [cannabinoid]<sub>HPLC</sub> x volume<sub>dilution</sub> / m<sub>dry</sub>. Terpene concentration is calculated from the equation: [terpene] = (terpene mass)<sub>GCMS</sub> / m<sub>dry</sub>. ••• Decarboxyted cannabinoid concentration is calculated from the equation XXX<sub>total</sub> = 0.877 x XXX<sub>a</sub> + 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<sub>g</sub><sup>2</sup> = Σ (∂f/∂i)<sup>2</sup> S<sub>i</sub><sup>2</sup> where i is the contributor to error. The 95% confidence range is calculated from the equation: (concentration) ± t<sub>CL90</sub> x S<sub>g</sub>. Sampling error is not