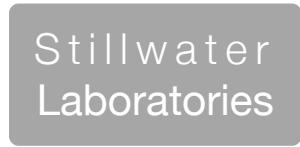




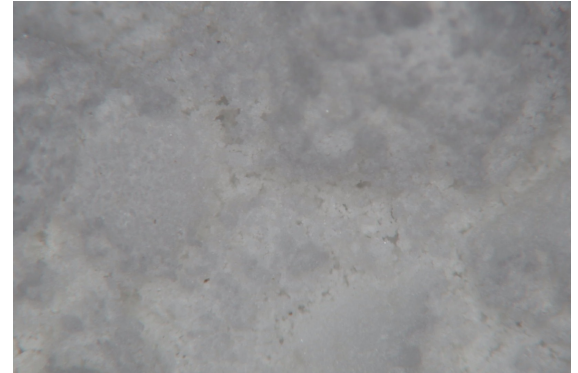
total cannabinoids		CBD	THC
	total	99.19%	0.00%
<b>99.5%</b>	decarb total	99.17%	0%



Sample Handling

test ID            sample date 7/1/19 12:00 AM  
 order **4832**    labID **9VH51**    weight  
 source

isolate



Methods	method	equipment
weights	MA9VM	AUX120.1
potency	PO9VM	
terpenes	TE9VM	
pesticides	PE9VM	
mycotoxins	MY9VM	
microbial	MI9VHS	
solvents	SO9VM	
metals	ME9VM	

Potency	%	estimated error	Terpenes	%	estimated error	%	estimated error	%	estimated error
tetrahydrocannabinolic acid (THCa)	ND	± 0.02 %	terpenes not tested / not required						
Δ <sup>9</sup> -tetrahydrocannabinol (Δ <sup>9</sup> THC)	ND	± 0.02 %							
Δ <sup>8</sup> -tetrahydrocannabinol (Δ <sup>8</sup> THC)	ND	± 0.02 %							
tetrahydrocannabivarin (THCv)	ND	± 0.02 %							
cannabidiolic acid (CBDa)	.18%	± 0.04 %							
cannabidiol (CBD)	99.01%	± 0.97 %							
cannabidivarin (CBDv)	.24%	± 0.05 %							
cannabigerolic acid (CBGa)	ND	± 0.02 %							
cannabigerol (CBG)	ND	± 0.02 %							
cannabinol (CBN)	.06%	± 0.03 %							
cannabichromene (CBC)	ND	± 0.02 %							

Solvents	MT limit	9VH51	LOQ	Pesticides (MT)	MT limit	9VH51	LOQ	Pesticides (other)	9VH51	LOQ
propane	5,000	<b>PASS</b>	<10ppm	not tested				not tested / not required		
butanes	5,000	<b>PASS</b>	<10ppm							
pentanes	5,000	<b>PASS</b>	<10ppm							
hexanes	290	<b>PASS</b>	<10ppm							
cyclohexane	3,880	<b>PASS</b>	<10ppm							
heptanes	5,000	<b>PASS</b>	<10ppm							
methanol	3,000	<b>PASS</b>	<10ppm							
isopropanol	5,000	<b>PASS</b>	<10ppm							
acetone	5,000	<b>PASS</b>	<10ppm							
ethyl acetate	5,000	<b>PASS</b>	<10ppm							
benzene	2	<b>PASS</b>	<0.2ppm							
toluene	890	<b>PASS</b>	<10ppm							
xylenes	2,170	<b>PASS</b>	<10ppm							
chloroform	2	<b>PASS</b>	<0.2ppm							
dichloromethane	600	<b>PASS</b>	<10ppm							

Toxic Metals	MT limit	9VH51	LOQ
metals			
not tested / not required			

Microbial	MT limit	9VH51	LOQ
microbial not tested			

• 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

Certified by:  
  
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