total cannabinoids	Δ9-THC	THCa	total THC
135.2 mg	0.0 mg	0.0 mg	0.0 mg
per	CBD	CBDa	total CBD
ounce	135.2 mg	ND	135.2 mg

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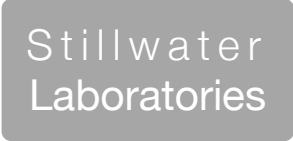
Sample Handling

type	topical	order	**4270**
lab ID	**9DR72**	sample date	4/20/2019
sample wt	5.0 g	unit weight	**28.4 g**

Methods

	method	equipment
weights	MA9DM	AUX120.1
potency	PO9DM	LC-2030C
terpenes	TE9DM	
pesticides	PE9DM	
mycotoxins	MY9DM	
microbial	MI9DRS	
solvents	SO9DM	
metals	ME9DM	

topical

Potency

	per	ounce	estimated error
tetrahydrocannabolic acid (THCa)	ND	ND	± 0.5 mg
Δ9-tetrahydrocannabinol (Δ9 THC)	ND	ND	± 0.5 mg
Δ8-tetrahydrocannabinol (Δ8 THC)	ND	ND	± 0.5 mg
tetrahydrocannabivarin (THCv)	ND	ND	± 0.5 mg
cannabidiolic acid (CBDa)	ND	ND	± 0.5 mg
cannabidiol (CBD)	.48%	135.2 mg	± 1.9 mg
cannabidivarin (CBDv)	ND	ND	± 0.5 mg
cannabigerolic acid (CBGa)	ND	ND	± 0.5 mg
cannabigerol (CBG)	ND	ND	± 0.5 mg
cannabinol (CBN)	ND	ND	± 0.5 mg
cannabichromene (CBC)	ND	ND	± 0.5 mg

Terpenes

	%	estimated error		%	estimated error		%	estimated error

terpenes
not tested / not required

Solvents

	MT limit	9DR72	LOQ

solvents
not tested / not required

Pesticides (MT)

	MT limit	9DR72	LOQ

pesticides
not tested / not required

Pesticides (other)

	9DR72	LOQ

not tested /
not required

Toxic Metals

	MT limit	9DR72	LOQ

metals
not tested / not required

Comments

Microbial

	MT limit	9DR72	LOQ
E. coli	10 CFU		<10 CFU/g
Salmonella sp.	10 CFU		<10 CFU/g
molds	10000 CFU		<10k CFU/g

• All testing was completed onsite at 6073 US93N, Olney MT •• Potency (cannabinoid concentration) is calcuated from the equation: [cannabioid] = [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 XXXa + 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$_g^2$ = $\sum (\partial f / \partial i)^2 s_i^2$ 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 considered in error calculations.

Certified by:

Ron Brost

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