CERTIFICATE OF ANALYSIS

PRODUCT NAME: Sports Cream
PRODUCT STRENGTH: 400 mg
LOT NUMBER: 21078-11
BEST BY DATE: 03/24/2023
HEMP EXTRACT LOT B4G 112619 / B1202-001

Click on the links to view third-party reports

Physical Atttributes

Test	Method	Specification	Results
Color	SOP-100	white to off white	PASS
Odor	SOP-100	Blend of Menthol, Camphor, Eucalytpus, Lavender, Rosemary, Wintergreen & Marjoram.	PASS
Appearance	SOP-100	Creamy smooth cream consistenty with medium viscosity	PASS
Primary Package Eval.	SOP-132	Container clean and free of filth. Lid intact.	PASS
Secondary Package Eval.	SOP-132	Labeling Compliance Checked, Cartons sturdy and clean. Sufficient cushion material exists. Box taped and secure.	PASS

Review of Third-Party Analysis

Panel	Method	Specification	Results	Pass/Fail
Potency - Total CBD	SOP-111	380-500 mg CBD LOQ**: 10 PPM† (0.001%)	533.7 mg	PASS
Potency - D9-THC	SOP-111	None Detected LOQ: 10 PPM (0.001%)	ND	PASS
Compliant Pesticide Panel	SOP-111	Action Limits for Oregon Pesticides used in Cannabis	ND	PASS
Microbial - Stec E.Coli	SOP-111	Complies with USP 61/62	Below LOD	PASS
Microbial - Salmonella	SOP-111	Complies with USP 61/62	Below LOD	PASS
Microbial - Mold	SOP-111	Complies with USP 61/62	Below LOD	PASS
CA Compliant Heavy Metal Panel	SOP-111	Arsenic (As): ≤1.5 PPM Cadmium (Cd): ≤0.5 PPM Mercury (Hg): ≤1.0 PPM Lead (Pb): ≤0.5 PPM	ND	PASS

* Level of Quantitation, † Parts Per Million

Quality Certified by: Kei Horikawa 04/01/2021

Kei Horikawa
Quality Control Manager

Date

certificate ID
1CY10

HSC400

7USC1639 Certificate of Analysis

Batch# 21078-11 prod. date 3/24/2021

rec'd 3/29/2021 2:05:03 PM order 10253

total cannabinoids
562.2mg per 118ml

THC tot ND

CBD tot 533.7mg

This Product Has Been Tested and Complies with 7USC1639o(1)

Stillwater Laboratories

Potency per 118ml

	MSP-7.5.1.4	LOD LOQ error (95%CI k=2)
total cannabinoids	**562.2mg**	**0.02 I 0.07 I ±10.13mg**
total THC‡	**ND**	**0.02 I 0.07 I ±0.07mg**
total THC (THC+THCa)	**ND**	**0.02 I 0.07 I ±0.07mg**
total CBD‡	**533.4mg**	**0.02 I 0.07 I ±9.61mg**
total CBD (CBD+CBDa)	**533.7mg**	**0.02 I 0.07 I ±9.62mg**
tetrahydrocannabolic acid (THCa)	ND	0.02 I 0.07 I ±0.07mg
Δ9-tetrahydrocannabinol (Δ9 THC)	ND	0.02 I 0.06 I ±0.06mg
Δ8-tetrahydrocannabinol (Δ8 THC)	ND	0.03 I 0.09 I ±0.09mg
tetrahydrocannabivarin (THCv)	ND	0.02 I 0.07 I ±0.07mg
cannabidiolic acid (CBDa)	2.3mg	0.02 I 0.06 I ±0.10mg
cannabidiol (CBD)	531.4mg	0.02 I 0.07 I ±9.58mg
cannabidivarin (CBDv)	3.1mg	0.02 I 0.07 I ±0.12mg
cannabigerolic acid (CBGa)	ND	0.02 I 0.06 I ±0.06mg
cannabigerol (CBG)	23.2mg	0.01 I 0.02 I ±0.43mg
cannabinol (CBN)	2.2mg	0.01 I 0.04 I ±0.08mg
cannabichromene (CBC)	ND	0.02 I 0.07 I ±0.07mg

Microbial

	MSP-7.5.1.10	limit	LOD LOQ error	result
E.coli	ND	0CFU	0.0 I 0.1 I ±0.1CFU	PASS
Salmonella sp.	ND	0CFU	0.0 I 0.1 I ±0.1CFU	PASS
molds	ND	10000CFU	1.7 I 5.0 I ±5.0CFU	PASS
Ochratoxin A	ND	20 ppb	1.3 I 3.8 I ±3.8 ppb	PASS
Aflatoxin B1B2G1G2	ND	20 ppb	1.3 I 3.9 I ±3.9 ppb	PASS

Metals

	MSP-7.5.1.11	limit	LOD LOQ error	result
Arsenic	NT	1500 ppb		NA
Cadmium	NT	500 ppb		NA
Lead	NT	500 ppb		NA
Mercury	NT	300 ppb		NA

Pesticides

	MSP-7.5.1.8	limit	LOD LOQ error	result
Pyrethrin	ND	1.00 ppm	0.008 I 0.023 I ±0.023 ppm	PASS
Pyridaben	ND	3.00 ppm	0.003 I 0.008 I ±0.008 ppm	PASS
Spinetoram	ND	3.00 ppm	0.010 I 0.031 I ±0.031 ppm	PASS
Spinosad	ND	3.00 ppm	0.020 I 0.060 I ±0.060 ppm	PASS
Spiromesifen	ND	12.00 ppm	0.009 I 0.028 I ±0.028 ppm	PASS
Spirotetramat	ND	13.00 ppm	0.007 I 0.021 I ±0.021 ppm	PASS
Spiroxamine	ND	0.00 ppm	0.003 I 0.008 I ±0.008 ppm	PASS
Tebuconazole	ND	2.00 ppm	0.015 I 0.046 I ±0.046 ppm	PASS
Thiacloprid	ND	0.10 ppm	0.003 I 0.009 I ±0.009 ppm	PASS
Thiamethoxam	ND	4.50 ppm	0.009 I 0.026 I ±0.026 ppm	PASS
Trifloxystrobin	ND	30.00 ppm	0.007 I 0.020 I ±0.020 ppm	PASS

SECURITY FEATURE: WATERMARK MUST MATCH CERTIFICATE ID AND ISSUE DATE

Pesticides

	MSP-7.5.1.8	limit	LOD LOQ error	result
Abamectin	ND	0.30 ppm	0.021 I 0.064 I ±0.064 ppm	PASS
Acephate	ND	5.00 ppm	0.023 I 0.068 I ±0.068 ppm	PASS
Acequinocyl	ND	4.00 ppm	0.019 I 0.057 I ±0.057 ppm	PASS
Acetamiprid	ND	5.00 ppm	0.015 I 0.046 I ±0.046 ppm	PASS
Aldicarb	ND	0.00 ppm	0.006 I 0.018 I ±0.018 ppm	PASS
Azoxystrobin	ND	40.00 ppm	0.006 I 0.018 I ±0.018 ppm	PASS
Bifenazate	ND	5.00 ppm	0.005 I 0.014 I ±0.014 ppm	PASS
Bifenthrin	ND	0.50 ppm	0.003 I 0.008 I ±0.008 ppm	PASS
Boscalid	ND	10.00 ppm	0.062 I 0.186 I ±0.186 ppm	PASS
Carbaryl	ND	0.50 ppm	0.025 I 0.074 I ±0.074 ppm	PASS
Carbofuran	ND	0.00 ppm	0.005 I 0.015 I ±0.015 ppm	PASS
Chloantraniliprole	ND	40.00 ppm	0.059 I 0.177 I ±0.177 ppm	PASS
Chlorfenapyr	ND	0.00 ppm	0.016 I 0.047 I ±0.047 ppm	PASS
Chlorpyrifos	ND	0.00 ppm	0.123 I 0.369 I ±0.369 ppm	PASS
Clofentezine	ND	0.50 ppm	0.023 I 0.068 I ±0.068 ppm	PASS
Coumaphos	ND	0.00 ppm	0.016 I 0.047 I ±0.047 ppm	PASS
Cyfluthrin	ND	1.00 ppm	0.022 I 0.067 I ±0.067 ppm	PASS
Cypermethrin	ND	1.00 ppm	0.016 I 0.047 I ±0.047 ppm	PASS
Daminozide	ND	0.00 ppm	0.084 I 0.252 I ±0.252 ppm	PASS
Dichlorvos	ND	0.00 ppm	0.043 I 0.129 I ±0.129 ppm	PASS
Diazinon	ND	0.20 ppm	0.003 I 0.010 I ±0.010 ppm	PASS
Dimethoate	ND	0.00 ppm	0.006 I 0.019 I ±0.019 ppm	PASS
Etoxazole	ND	1.50 ppm	0.011 I 0.034 I ±0.034 ppm	PASS
Fenoxycarb	ND	0.00 ppm	0.011 I 0.032 I ±0.032 ppm	PASS
Fenpyroximate	ND	2.00 ppm	0.003 I 0.010 I ±0.010 ppm	PASS
Fipronil	ND	0.00 ppm	0.023 I 0.068 I ±0.068 ppm	PASS
Flonicamid	ND	2.00 ppm	0.298 I 0.893 I ±0.893 ppm	PASS
Fludioxonil	ND	30.00 ppm	0.020 I 0.059 I ±0.059 ppm	PASS
Hexythiazox	ND	2.00 ppm	0.003 I 0.009 I ±0.009 ppm	PASS
Imazalil	ND	0.00 ppm	0.020 I 0.059 I ±0.059 ppm	PASS
Imidacloprid	ND	3.00 ppm	0.004 I 0.011 I ±0.011 ppm	PASS
Malathion	ND	5.00 ppm	0.015 I 0.046 I ±0.046 ppm	PASS
Metalaxyl	ND	15.00 ppm	0.023 I 0.068 I ±0.068 ppm	PASS
Methiocarb	ND	0.00 ppm	0.011 I 0.033 I ±0.033 ppm	PASS
Methomyl	ND	0.10 ppm	0.002 I 0.005 I ±0.005 ppm	PASS
Methyl parathion	ND	0.00 ppm	0.003 I 0.009 I ±0.009 ppm	PASS
Mevinphos	ND	0.00 ppm	0.016 I 0.047 I ±0.047 ppm	PASS
Myclobutanil	ND	9.00 ppm	0.003 I 0.008 I ±0.008 ppm	PASS
Naled	ND	0.50 ppm	0.016 I 0.047 I ±0.047 ppm	PASS
Oxamyl	ND	0.20 ppm	0.007 I 0.020 I ±0.020 ppm	PASS
Paclobutrazol	ND	0.00 ppm	0.008 I 0.025 I ±0.025 ppm	PASS
Permethrin	ND	20.00 ppm	0.030 I 0.090 I ±0.090 ppm	PASS
Phosmet	ND	0.20 ppm	0.009 I 0.027 I ±0.027 ppm	PASS
Piperonylbutoxide	ND	8.00 ppm	0.031 I 0.092 I ±0.092 ppm	PASS
Prallethrin	ND	0.40 ppm	0.011 I 0.034 I ±0.034 ppm	PASS
Propiconazole	ND	20.00 ppm	0.011 I 0.034 I ±0.034 ppm	PASS
Propoxur	ND	0.00 ppm	0.017 I 0.051 I ±0.051 ppm	PASS

Certified by: QA Manager

Justin M Johnston
Deputy Director

Jacob Harris

ISO/IEC 17025:2017
ACCREDITED
Certificate #4961.01
https://portal.a2la.org/scopepdf/4961-01.pdf

Stillwater Laboratories Inc.
MT License L0001, L00007
6073 US93N Suite 5, Olney MT 59927
406-881-2019

Printed 4/1/2021 11:56 AM

INSTRUMENTS: Potency by HPLC (LC2030C-UV), solvents and terpenes by GCMS (QP2020/HS20), pesticides and mycotoxins by LCMSMS (LC8060), microbial by qPCR (AriaMx) and plating (Hardy Diagnostics), metals by ICPMS (ICPMS-2030)

• All testing was completed onsite at 6073 US93N, Olney MT •• Potency (cannabinoid concentration) is calcuated as: $[\text{cannabioid}] = [\text{cannabinoid}]_{HPLC} \times \text{volume}_{dilution}/m_{dry}$. ••• Decarboxyted cannabinoid concentration is calculated $XXX_{total} = 0.877 \times XXXa + XXX$ •••• Standards are used to calibrate the resulting data and estimate error using a standard estimate of error method; LOD is the limit of detection ($3.3s_i$), LOQ is the limit of quantification (3xLOD), and experimental error is calculated from weighing, dilution, and interpolation error using the 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: (concentration) $\pm t_{CL90} \times s_g$. Sampling error is not considered in error calculations. ND = not detected (< LOD), NT = not tested, NL = no limit, NA = not applicable. ‡ = decarbed

B4G.112619

Certificate of Analysis

total cannabinoids
84.7%

CBD decarb total 80.7%
Δ9-THC ND

This Product Has Been Tested and Complies with 7USC1639o(1) Definition of Hemp

ISO/IEC 17025:2017
ACCREDITED
Certificate #4961.01

Stillwater Laboratories

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

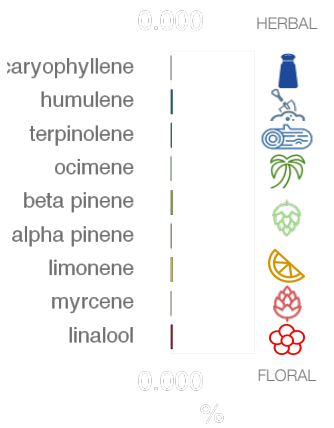
Sample Handling

test ID — sample date 2/24/20 4:49 PM
order **6654** — labID **0BR66** — 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

concentrate



Potency

	%	estimated error
tetrahydrocannabolic acid (THCa)	ND	± 0.02 %
Δ^9-tetrahydrocannabinol (Δ^9 THC)	ND	± 0.02 %
Δ^8-tetrahydrocannabinol (Δ^8 THC)	ND	± 0.02 %
tetrahydrocannabivarin (THCv)	ND	± 0.02 %
cannabidiolic acid (CBDa)	ND	± 0.02 %
cannabidiol (CBD)	80.7%	± 0.73 %
cannabidivarin (CBDv)	ND	± 0.02 %
cannabigerolic acid (CBGa)	ND	± 0.02 %
cannabigerol (CBG)	4.02%	± 0.16 %
cannabinol (CBN)	ND	± 0.02 %
cannabichromene (CBC)	ND	± 0.02 %

Terpenes

	%	estimated error		%	estimated error		%	estimated error
ß-myrcene	0.001%	± 0.0017 %	camphene	0.002%	± 0.0017 %	guaiol	0.000%	± 0.0017 %
ß-caryophyllene	0.001%	± 0.0017 %	Δ3-carene	0.003%	± 0.0018 %	ß-bisabolol	0.002%	± 0.0017 %
alpha-pinene	0.005%	± 0.0018 %	a-terpenine	0.000%	± 0.0016 %	eucalyptol	0.005%	± 0.0018 %
ß-pinene	0.008%	± 0.0019 %	para-cymene	0.009%	± 0.0019 %			
D-limonene	0.009%	± 0.0019 %	g-terpenine	0.010%	± 0.0019 %			
linalool	0.008%	± 0.0019 %	(-)-isopulegol	0.000%	± 0.0016 %			
ocimene	0.002%	± 0.0034 %	geraniol	0.002%	± 0.0017 %			
terpinolene	0.003%	± 0.0018 %	cis-nerolidol	0.000%	± 0.0016 %			
alpha-humulene	0.007%	± 0.0019 %	trans-nerolidol	0.004%	± 0.0018 %			

total terpenes
0.08%

Solvents

	MT limit	0BR66	LOQ
propane	5,000	0 ppm	<10ppm
butanes	5,000	0 ppm	<10ppm
pentanes	5,000	0 ppm	<10ppm
hexanes	290	0 ppm	<10ppm
cyclohexane	3,880	0 ppm	<10ppm
heptanes	5,000	0 ppm	<10ppm
methanol	3,000	0 ppm	<10ppm
isopropanol	5,000	0 ppm	<10ppm
acetone	5,000	0 ppm	<10ppm
ethyl acetate	5,000	0 ppm	<10ppm
benzene	2	0 ppm	<0.2ppm
toluene	890	0 ppm	<10ppm
xylenes	2,170	0 ppm	<10ppm
chloroform	2	0 ppm	<0.2ppm
dichloromethane	600	0 ppm	<10ppm

Toxic Metals

	MT limit	0BR66	LOQ
arsenic	2 ppm	**0.0 ppm**	<10ppb
cadmium	0.8 ppm	**0.0 ppm**	<10ppb
lead	1.2 ppm	**0.0 ppm**	<10ppb
mercury	0.4 ppm	**0.0 ppm**	<10ppb

Comments

Pesticides (MT)

	MT limit	0BR66	LOQ
abamectin	2.50 ppm	0.00 ppm	<10ppb
acequinocyl	10.00 ppm	0.00 ppm	<10ppb
bifenazate	1.00 ppm	0.00 ppm	<10ppb
bifenthrin	1.00 ppm	0.00 ppm	<10ppb
chlormequat cl.	5.00 ppm	0.00 ppm	<10ppb
cyfluthrin	5.00 ppm	0.00 ppm	<80ppb
diaminozide	5.00 ppm	0.00 ppm	<10ppb
etoxazole	1.00 ppm	0.00 ppm	<10ppb
fenoxycarb	1.00 ppm	0.00 ppm	<10ppb
imazalil	1.00 ppm	0.00 ppm	<10ppb
imidacloprid	2.00 ppm	0.00 ppm	<10ppb
myclobutanil	0.60 ppm	0.00 ppm	<10ppb
paclobutrazol	2.00 ppm	0.00 ppm	<10ppb
pyrethrins	5.00 ppm	0.00 ppm	<10ppb
spinosad	1.00 ppm	0.00 ppm	<10ppb
spiromesifen	1.00 ppm	0.00 ppm	<10ppb
spirotetramat	1.00 ppm	0.00 ppm	<10ppb
trifloxystrobin	1.00 ppm	0.00 ppm	<10ppb

Microbial

	MT limit	0BR66	LOQ
E. coli	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

Pesticides (other)

	0BR66	LOQ
acephate	0.00 ppm	<10ppb
acetamiprid	0.00 ppm	<10ppb
aldicarb	0.00 ppm	<10ppb
azoxystrobin	0.00 ppm	<10ppb
boscalid	0.00 ppm	<10ppb
carbaryl	0.00 ppm	<10ppb
carbofuran	0.00 ppm	<10ppb
chloantraniliprole	0.00 ppm	<10ppb
chlorpyrifos	0.00 ppm	<10ppb
clofentezine	0.00 ppm	<10ppb
cypermethrin	0.00 ppm	<10ppb
diazinon	0.00 ppm	<10ppb
dichlorvos	0.00 ppm	<10ppb
dimethoate	0.00 ppm	<10ppb
etofenprox	0.00 ppm	<10ppb
fenpyroximate	0.00 ppm	<10ppb
fipronil	0.00 ppm	<10ppb
flonicamid	0.00 ppm	<10ppb
fludioxonil	0.00 ppm	<10ppb
hexythiazox	0.00 ppm	<10ppb
kresoxym-methyl	0.00 ppm	<10ppb
malathion	0.00 ppm	<10ppb
metalaxyl	0.00 ppm	<10ppb
methiocarb	0.00 ppm	<10ppb
methomyl	0.00 ppm	<10ppb
oxamyl	0.00 ppm	<10ppb
permethrins	0.00 ppm	<10ppb
phosmet	0.00 ppm	<10ppb
piperonyl butoxide	0.00 ppm	<10ppb
prallethrin	0.00 ppm	<10ppb
propiconazole	0.00 ppm	<10ppb
pyridaben	0.00 ppm	<10ppb
spiroxamine	0.00 ppm	<10ppb
tebuconazole	0.00 ppm	<10ppb
thiacloprid	0.00 ppm	<10ppb
thiamethoxam	0.00 ppm	<10ppb

• All testing was completed onsite at 6073 US93N, Olney MT •• Potency (cannabinoid concentration) is calcuated from the equation: [cannabioid] = $[\text{cannabinoid}]_{HPLC} \times \text{volume}_{dilution}/m_{dry}$. Terpene concentration is calcuated from the equation: [terpene] = $(\text{terpene mass})_{GCMS} / m_{dry}$. ••• Decarboxyted cannabinoid concentration is calculated from the equation $XXX_{total} = 0.877 \times XXXa + XXX$ •••• 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) $\pm t_{CL90} \times s_g$. Sampling error is not

Certified by:

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

Printed 3/4/2020 1:42 PM

B1202-001

Certificate of Analysis

total cannabinoids		CBD	THC
91.7%	total	86.5%	0.0%
25319	decarb total	86.5%	0%

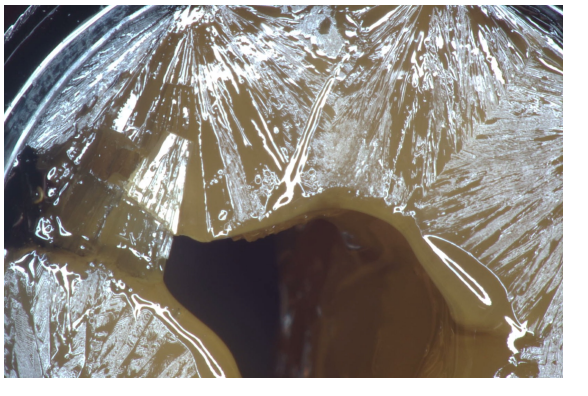
This Product Has Been Tested and Complies with 7USC1639o(1) Definition of Hemp

ISO/IEC 17025:2017
ACCREDITED
Certificate #4961.01
https://portal.a2la.org/scopepdf/4961-01.pdf

Stillwater Laboratories

Sample Handling

test ID — sample date 12/4/20 11:55 AM
order **9109** — labID **0MD32** — 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-7.5.1.1	AriaMx/Hardy
solvents	MSP-7.5.1.6	QP2020/HS20
metals	MSP-7.5.1.11	ICPMS2030

Potency

	%	estimated error
tetrahydrocannabolic acid (THCa)	0%	± 0.02 %
Δ^9-tetrahydrocannabinol (Δ^9 THC)	0%	± 0.02 %
Δ^8-tetrahydrocannabinol (Δ^8 THC)	0%	± 0.02 %
tetrahydrocannabivarin (THCv)	0%	± 0.02 %
cannabidiolic acid (CBDa)	0%	± 0.02 %
cannabidiol (CBD)	86.5%	± 0.76 %
cannabidivarin (CBDv)	.47%	± 0.06 %
cannabigerolic acid (CBGa)	0%	± 0.02 %
cannabigerol (CBG)	4.76%	± 0.18 %
cannabinol (CBN)	0%	± 0.02 %
cannabichromene (CBC)	0%	± 0.02 %

Terpenes

%	estimated error	%	estimated error	%	estimated error

terpenes
not tested / not required

Solvents

	MT limit	0MD32	LOQ
propane	5,000	0 ppm	<10ppm
butanes	5,000	0 ppm	<10ppm
pentanes	5,000	0 ppm	<10ppm
hexanes	290	0 ppm	<10ppm
cyclohexane	3,880	0 ppm	<10ppm
heptanes	5,000	0 ppm	<10ppm
methanol	3,000	0 ppm	<10ppm
isopropanol	5,000	0 ppm	<10ppm
acetone	5,000	0 ppm	<10ppm
ethyl acetate	5,000	0 ppm	<10ppm
benzene	2	0 ppm	<0.2ppm
toluene	890	0 ppm	<10ppm
xylenes	2,170	0 ppm	<10ppm
chloroform	2	0 ppm	<0.2ppm
dichloromethane	600	0 ppm	<10ppm
acetonitrile	NA	0 ppm	<10ppm
ethanol	NA	0 ppm	<10ppm
tetrahydrofuran	NA	0 ppm	<10ppm

Toxic Metals

	MT limit	0MD32	LOQ
arsenic	2 ppm	**0.0 ppm**	<10ppb
cadmium	0.8 ppm	**0.0 ppm**	<10ppb
lead	1.2 ppm	**0.0 ppm**	<10ppb
mercury	0.4 ppm	**0.0 ppm**	<10ppb

Pesticides (MT)

	MT limit	0MD32	LOQ
abamectin	2.50 ppm	0.00 ppm	<10ppb
acequinocyl	10.00 ppm	0.00 ppm	<10ppb
bifenazate	1.00 ppm	0.00 ppm	<10ppb
bifenthrin	1.00 ppm	0.00 ppm	<10ppb
chlormequat cl.	5.00 ppm	0.00 ppm	<10ppb
cyfluthrin	5.00 ppm	0.00 ppm	<80ppb
diaminozide	5.00 ppm	0.00 ppm	<10ppb
etoxazole	1.00 ppm	0.00 ppm	<10ppb
fenoxycarb	1.00 ppm	0.00 ppm	<10ppb
imazalil	1.00 ppm	0.00 ppm	<10ppb
imidacloprid	2.00 ppm	0.00 ppm	<10ppb
myclobutanil	0.60 ppm	0.00 ppm	<10ppb
paclobutrazol	2.00 ppm	0.00 ppm	<10ppb
pyrethrins	5.00 ppm	0.00 ppm	<10ppb
spinosad	1.00 ppm	0.00 ppm	<10ppb
spiromesifen	1.00 ppm	0.00 ppm	<10ppb
spirotetramat	1.00 ppm	0.00 ppm	<10ppb
trifloxystrobin	1.00 ppm	0.00 ppm	<10ppb

Pesticides (other)

	0MD32	LOQ
acephate	0.00 ppm	<10ppb
acetamiprid	0.00 ppm	<10ppb
aldicarb	0.00 ppm	<10ppb
azoxystrobin	0.00 ppm	<10ppb
boscalid	0.00 ppm	<10ppb
carbaryl	0.00 ppm	<10ppb
carbofuran	0.00 ppm	<10ppb
chloantraniliprole	0.00 ppm	<10ppb
chlorpyrifos	0.00 ppm	<10ppb
clofentezine	0.00 ppm	<10ppb
cypermethrin	0.00 ppm	<10ppb
diazinon	0.00 ppm	<10ppb
dichlorvos	0.00 ppm	<10ppb
dimethoate	0.00 ppm	<10ppb
etofenprox	0.00 ppm	<10ppb
fenpyroximate	0.00 ppm	<10ppb
fipronil	0.00 ppm	<10ppb
flonicamid	0.00 ppm	<10ppb
fludioxonil	0.00 ppm	<10ppb
hexythiazox	0.00 ppm	<10ppb
kresoxym-methyl	0.00 ppm	<10ppb
malathion	0.00 ppm	<10ppb
metalaxyl	0.00 ppm	<10ppb
methiocarb	0.00 ppm	<10ppb
methomyl	0.00 ppm	<10ppb
oxamyl	0.00 ppm	<10ppb
permethrins	0.00 ppm	<10ppb
phosmet	0.00 ppm	<10ppb
piperonyl butoxide	0.00 ppm	<10ppb
prallethrin	0.00 ppm	<10ppb
propiconazole	0.00 ppm	<10ppb
pyridaben	0.00 ppm	<10ppb
spiroxamine	0.00 ppm	<10ppb
tebuconazole	0.00 ppm	<10ppb
thiacloprid	0.00 ppm	<10ppb
thiamethoxam	0.00 ppm	<10ppb

Microbial

	MT limit	0MD32	LOQ

microbial not tested

Aflatoxin B1,B2,G1,G2	20 ppb	0 ppb	<20 ppb
Ochratoxin A	20 ppb	0 ppb	<20 ppb

Comments

• All testing was completed onsite at 6073 US93N, Olney MT •• Potency (cannabinoid concentration) is calcuated from the equation: [cannabioid] = $[\text{cannabinoid}]_{HPLC} \times \text{volume}_{dilution}/m_{dry}$. Terpene concentration is calcuated from the equation: [terpene] = $(\text{terpene mass})_{GCMS} / m_{dry}$. ••• Decarboxyted cannabinoid concentration is calculated from the equation $XXX_{total} = 0.877 \times XXXa + XXX$ •••• 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) $\pm t_{CL90} \times s_g$. Sampling error is not

Certified by:

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