



CERTIFICATE OF ANALYSIS

PRODUCT NAME: Sports Cream
PRODUCT STRENGTH: 400 mg
LOT NUMBER: 0079A
BEST BY DATE: 10/02/2021
HEMP EXTRACT LOT NUMBER: [CON019-124](#)

Click on the links to view third-party reports

Physical Attributes

Test	Method	Specification	Results
Color	SOP-100	white to off white	PASS
Odor	SOP-100	Blend of Menthol, Camphor, Eucalyptus, Lavender, Rosemary, Wintergreen & Marjoram.	PASS
Appearance	SOP-100	Creamy smooth cream consistently 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%)	477.2 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	Below LOQ	PASS

* Level of Quantitation, † Parts Per Million

Quality Certified by:

Darcie Moran

Darcie Moran

Manager of Quality Assurance

04.17.2020

Date



Certificate of Analysis

total cannabinoids	9-THC	THCa	total THC
477.2 mg	0 mg	0 mg	0 mg
per	CBD	CBDa	total CBD
4oz	447.3 mg	25.3 mg	447.3 mg

Stillwater
Laboratories

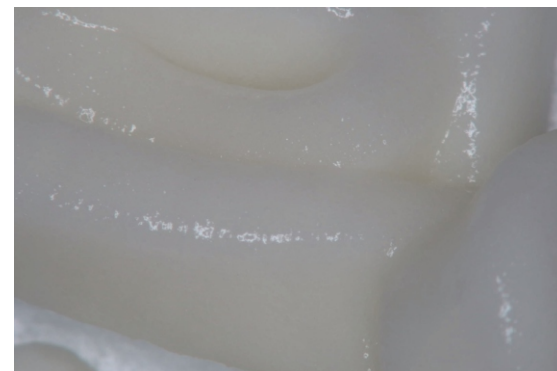
<https://portal.a2la.org/scopepdf/4961-01.pdf>

topical

test ID	sample wt	113.6 g
type topical	order	6899
lab ID 0CU52	sample date	3/24/2020
unit 4oz	unit weight	113.6 g

method	equipment
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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-7.5.1.1	ICPMS2030



Potency	per 4oz		estimated error	Terpenes	%	estimated error		%	estimated error		%	estimated error
tetrahydrocannabinolic acid (THCa)	0%	0 mg	± 1.87 mg	β-myrcene	0.000%	± 0.0016%	camphene	0.000%	± 0.0016%	guaiol	0.000%	± 0.0016%
⁹-tetrahydrocannabinol (⁹THC)	0%	0 mg	± 1.87 mg	β-caryophyllene	0.000%	± 0.0016%	3-carene	0.000%	± 0.0016%	β-bisabolol	0.000%	± 0.0016%
⁸-tetrahydrocannabinol (⁸THC)	0%	0 mg	± 1.87 mg	alpha-pinene	0.000%	± 0.0016%	a-terpinene	0.000%	± 0.0016%	eucalyptol	0.000%	± 0.0016%
tetrahydrocannabinavarin (THCv)	0%	0 mg	± 1.87 mg	β-pinene	0.000%	± 0.0016%	para-cymene	0.000%	± 0.0016%			
cannabidiolic acid (CBDa)	.02%	25.3 mg	± 2.45 mg	D-limonene	0.000%	± 0.0016%	g-terpinene	0.000%	± 0.0016%			
cannabidiol (CBD)	.39%	447.3 mg	± 6.90 mg	linalool	0.000%	± 0.0016%	(-)-isopulegol	0.000%	± 0.0016%		total	
cannabidivarin (CBDv)	0%	4.6 mg	± 1.99 mg	ocimene	0.000%	± 0.0033%	geraniol	0.000%	± 0.0016%		terpenes	
cannabigerolic acid (CBGa)	0%	0 mg	± 1.87 mg	terpinolene	0.000%	± 0.0016%	cis-nerolidol	0.000%	± 0.0016%			
cannabigerol (CBG)	0%	0 mg	± 1.87 mg	alpha-humulene	0.000%	± 0.0016%	trans-nerolidol	0.000%	± 0.0016%		0.00%	
cannabinol (CBN)	0%	0 mg	± 1.87 mg									
cannabichomene (CBC)	0%	0 mg	± 1.87 mg									

Solvents	MT limit	OCU52	LOQ	Pesticides (MT)	MT limit	OCU52	LOQ	Pesticides (other)	OCU52	LOQ
propane	5,000	0 ppm	<10ppm	abamectin	0.00 ppm	<10ppb	acephate	0.00 ppm	<10ppb	
butanes	5,000	0 ppm	<10ppm	acequinocyl	0.00 ppm	<10ppb	acetamiprid	0.00 ppm	<10ppb	
pentanes	5,000	0 ppm	<10ppm	bifenazate	0.00 ppm	<10ppb	aldicarb	0.00 ppm	<10ppb	
hexanes	290	0 ppm	<10ppm	bifenthrin	0.00 ppm	<10ppb	azoxystrobin	0.00 ppm	<10ppb	
cyclohexane	3,880	0 ppm	<10ppm	chlormequat cl.	0.00 ppm	<10ppb	boscalid	0.00 ppm	<10ppb	
heptanes	5,000	0 ppm	<10ppm	cyfluthrin	0.00 ppm	<80ppb	carbaryl	0.00 ppm	<10ppb	
methanol	3,000	0 ppm	<10ppm	diaminozide	0.00 ppm	<10ppb	carbofuran	0.00 ppm	<10ppb	
isopropanol	5,000	0 ppm	<10ppm	etoxazole	0.00 ppm	<10ppb	chloanthraniliprole	0.00 ppm	<10ppb	
acetone	5,000	0 ppm	<10ppm	fenoxycarb	0.00 ppm	<10ppb	chlorpyrifos	0.00 ppm	<10ppb	
ethyl acetate	5,000	0 ppm	<10ppm	imazalil	0.00 ppm	<10ppb	clofentezine	0.00 ppm	<10ppb	
benzene	2	0 ppm	<0.2ppm	imidacloprid	0.00 ppm	<10ppb	cypermethrin	0.00 ppm	<10ppb	
toluene	890	0 ppm	<10ppm	myclobutanil	0.00 ppm	<10ppb	diazinon	0.00 ppm	<10ppb	
xylenes	2,170	0 ppm	<10ppm	paclobutrazol	0.00 ppm	<10ppb	dichlorvos	0.00 ppm	<10ppb	
chloroform	2	0 ppm	<0.2ppm	pyrethrins	0.00 ppm	<10ppb	dimethoate	0.00 ppm	<10ppb	
dichloromethane	600	0 ppm	<10ppm	spinosad	0.00 ppm	<10ppb	etofenprox	0.00 ppm	<10ppb	
				spiromesifen	0.00 ppm	<10ppb	fenpyroximate	0.00 ppm	<10ppb	
				spirotetramat	0.00 ppm	<10ppb	fipronil	0.00 ppm	<10ppb	
				trifloxystrobin	0.00 ppm	<10ppb	flonicamid	0.00 ppm	<10ppb	
Toxic Metals	MT limit	OCU52	LOQ							

Toxic Metals	MT limit	OCU52	LOQ
arsenic	2 ppm	0.0 ppm	<10ppb
cadmium	4.1 ppm	0.0 ppm	<10ppb
lead	1.2 ppm	0.0 ppm	<10ppb
mercury	0.4 ppm	0.0 ppm	<10ppb

Microbial	MT limit	0CU52	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

• All testing was completed onsite at 6073 US93N, Olney MT • Potency (cannabinoid concentration) is calculated from the equation: $[\text{cannabinoid}] = [\text{cannabinoid}]_{\text{HPLC}} \times \text{volume} / \text{m}_{\text{dry}}$. Terpene concentration is calculated from the equation: $[\text{terpene}] = (\text{terpene mass})_{\text{GCMS}} / \text{m}_{\text{dry}}$. • Decarboxyated cannabinoid concentration is calculated from the equation $\text{XXX}_{\text{total}} = 0.877 \times \text{XXXa} + \text{XXXb}$. • 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 $s_y^2 = (\text{f/i})^2 s_i^2$ where i is the contributor to error. The 95% confidence range is calculated from the equation: $(\text{concentration}) \pm t_{\text{CI}, n-1} \times s_y$. Sampling error is not

Certified by:

Butler

Paula Kosted, PhD (Biochem)
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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
chlorantraniliprole	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



Hemp CONO19-124

Certificate of Analysis

total cannabinoids **85.3%**
CBD decarb total 84.31%
Δ9-THC ND

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



Stillwater Laboratories

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

Sample Handling

test ID sample date 3/9/20 11:06 AM
order 6767 labID OCG24 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	Terpenes	%	estimated error		%	estimated error		%	estimated error
tetrahydrocannabinolic acid (THCa)	ND	± 0.02 %	β-myrcene	0.000%	± 0.0016%	camphene	0.000%	± 0.0016%	guaiol	0.001%	± 0.0017 %
⁹ -tetrahydrocannabinol (⁹ THC)	ND	± 0.02 %	β-caryophyllene	0.005%	± 0.0018%	3-carene	0.000%	± 0.0016%	β-bisabolol	0.000%	± 0.0016 %
⁸ -tetrahydrocannabinol (⁸ THC)	ND	± 0.02 %	alpha-pinene	0.002%	± 0.0017%	a-terpinene	0.000%	± 0.0016%	eucalyptol	0.003%	± 0.0017 %
tetrahydrocannabivarin (THCv)	ND	± 0.02 %	β-pinene	0.000%	± 0.0016%	para-cymene	0.010%	± 0.0019%			
cannabidiolic acid (CBDA)	ND	± 0.02 %	D-limonene	0.000%	± 0.0016%	g-terpinene	0.008%	± 0.0019%			
cannabidiol (CBD)	84.31%	± 0.75 %	linalool	0.006%	± 0.0018%	(-)-isopulegol	0.000%	± 0.0016%		total	
cannabidivarin (CBDv)	.92%	± 0.08 %	ocimene	0.000%	± 0.0033%	geraniol	0.000%	± 0.0016%		terpenes	
cannabigerolic acid (CBGa)	ND	± 0.02 %	terpinolene	0.000%	± 0.0016%	cis-nerolidol	0.000%	± 0.0016%			
cannabigerol (CBG)	.04%	± 0.02 %	alpha-humulene	0.006%	± 0.0018%	trans-nerolidol	0.000%	± 0.0016%			
cannabinol (CBN)	ND	± 0.02 %								0.06%	
cannabichromene (CBC)	ND	± 0.02 %									

Solvents	MT limit	OCG24	LOQ	Pesticides (MT)	MT limit	OCG24	LOQ	Pesticides (other)	OCG24	LOQ
propane	5,000	0 ppm	<10ppm	abamectin	2.50 ppm	0.00 ppm	<10ppb	acephate	0.00 ppm	<10ppb
butanes	5,000	0 ppm	<10ppm	acequinocyl	10.00 ppm	0.00 ppm	<10ppb	acetamiprid	0.00 ppm	<10ppb
pentanes	5,000	0 ppm	<10ppm	bifenazate	1.00 ppm	0.00 ppm	<10ppb	aldicarb	0.00 ppm	<10ppb
hexanes	290	0 ppm	<10ppm	bifenthrin	1.00 ppm	0.00 ppm	<10ppb	azoxystrobin	0.00 ppm	<10ppb
cyclohexane	3,880	0 ppm	<10ppm	chlormequat cl.	5.00 ppm	0.00 ppm	<10ppb	boscalid	0.00 ppm	<10ppb
heptanes	5,000	0 ppm	<10ppm	cyfluthrin	5.00 ppm	0.00 ppm	<80ppb	carbaryl	0.00 ppm	<10ppb
methanol	3,000	0 ppm	<10ppm	diaminozide	5.00 ppm	0.00 ppm	<10ppb	carbofuran	0.00 ppm	<10ppb
isopropanol	5,000	0 ppm	<10ppm	etoxazole	1.00 ppm	0.00 ppm	<10ppb	chloanthraniliprole	0.00 ppm	<10ppb
acetone	5,000	0 ppm	<10ppm	fenoxycarb	1.00 ppm	0.00 ppm	<10ppb	chlorpyrifos	0.00 ppm	<10ppb
ethyl acetate	5,000	0 ppm	<10ppm	imazalil	1.00 ppm	0.00 ppm	<10ppb	clofentezine	0.00 ppm	<10ppb
benzene	2	0 ppm	<0.2ppm	imidacloprid	2.00 ppm	0.00 ppm	<10ppb	cypermethrin	0.00 ppm	<10ppb
toluene	890	0 ppm	<10ppm	myclobutanil	0.60 ppm	0.00 ppm	<10ppb	diazinon	0.00 ppm	<10ppb
xylene	2,170	0 ppm	<10ppm	paclobutrazol	2.00 ppm	0.03 ppm	<10ppb	dichlorvos	0.00 ppm	<10ppb
chloroform	2	0 ppm	<0.2ppm	pyrethrins	5.00 ppm	0.00 ppm	<10ppb	dimethoate	0.00 ppm	<10ppb
dichloromethane	600	0 ppm	<10ppm	spinosad	1.00 ppm	0.00 ppm	<10ppb	etofenprox	0.00 ppm	<10ppb
				spiromesifen	1.00 ppm	0.00 ppm	<10ppb	fenpyroximate	0.00 ppm	<10ppb
				spirotetramat	1.00 ppm	0.00 ppm	<10ppb	fipronil	0.00 ppm	<10ppb
				trifloxystrobin	1.00 ppm	0.00 ppm	<10ppb	flonicamid	0.00 ppm	<10ppb

Toxic Metals	MT limit	OCG24	LOQ
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metals

not tested / not required

Comments

Microbial	MT limit	OCG24	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

• All testing was completed onsite at 6073 US93N, Olney MT • Potency (cannabinoid concentration) is calculated from the equation: [cannabinoid] = [cannabinoid]_{HPLC} x volume / m_{dry}. Terpene concentration is calculated from the equation: [terpene] = (terpene mass)_{GCMS} / m_{dry}. •• Decarboxylated 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_y² = (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_y. Sampling error is not

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