

# CERTIFICATE OF ANALYSIS

**PRODUCT NAME:** Sports Cream  
**PRODUCT STRENGTH:** 400 mg  
**LOT NUMBER:** 105A  
**BEST BY DATE:** 10/17/2021  
**BULK LOT NUMBER:** 20094-02  
**HEMP EXTRACT LOT NUMBER\*:** [112619](#)

*\*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 consistency 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
<b>Potency - Total CBD</b>	SOP-111	380-500 mg CBD LOQ**: 10 PPM† (0.001%)	<a href="#">444mg</a>	PASS
<b>Potency - D9-THC</b>	SOP-111	None Detected LOQ: 10 PPM (0.001%)	<a href="#">ND</a>	PASS
<b>Compliant Pesticide Panel</b>	SOP-111	Action Limits for Oregon Pesticides used in Cannabis	<a href="#">ND</a>	PASS
<b>Microbial - Stec E.Coli</b>	SOP-111	Complies with USP 61/62	<a href="#">Below LOD</a>	PASS
<b>Microbial - Salmonella</b>	SOP-111	Complies with USP 61/62	<a href="#">Below LOD</a>	PASS
<b>Microbial - Mold</b>	SOP-111	Complies with USP 61/62	<a href="#">Below LOD</a>	PASS
<b>CA Compliant Heavy Metal Panel</b>	SOP-111	Arsenic (As): ≤1.5 PPM Cadmium (Cd): ≤0.5 PPM Mercury (Hg): ≤1.0 PPM Lead (Pb): ≤0.5 PPM	<a href="#">Below LOQ</a>	PASS

\* Level of Quantitation, † Parts Per Million

Quality Certified by: *Darcie Moran* 04/10/2020  
 Darcie Moran Date  
 Manager of Quality Assurance



# HEMP LABORATORY TEST CERTIFICATE OF ANALYSIS

SC Laboratories, LLC  
100 Pioneer Street, Suite E  
Santa Cruz, CA 95060  
(866) 435-0709 | sclabs.com

Sample Name: KWJOSL  
LIMS Sample ID: 200407V001  
Batch #: 20094-02  
Source METRC UID:

Sample Type: Infused, Non-Inhalable  
Batch Count:  
Sample Count: 5 Unit(s)  
Unit Mass:  
Serving Mass:  
Density:

Date Collected: 04/07/2020

Date Received: 04/07/2020

Tested for:

License #:

Address:

Produced by:

License #:

Address:

## Moisture Test Results

	Results (%)
Moisture	NT

## Cannabinoid Test Results

04/09/2020

Cannabinoid analysis utilizing High Performance Liquid Chromatography (HPLC, QSP 5-4-4-4)

	mg/g	%	LOD / LOQ mg/g
Δ9THC	ND	ND	0.0009 / 0.003
Δ8THC	ND	ND	0.0009 / 0.003
THCa	ND	ND	0.0009 / 0.003
THCV	ND	ND	0.0004 / 0.001
THCVa	ND	ND	0.0013 / 0.004
CBD	3.669	0.3669	0.0009 / 0.003
CBDa	ND	ND	0.0009 / 0.003
CBDV	0.008	0.0008	0.0004 / 0.001
CBDVa	ND	ND	0.0003 / 0.001
CBG	ND	ND	0.001 / 0.003
CBGa	ND	ND	0.0008 / 0.002
CBL	ND	ND	0.0021 / 0.006
CBN	ND	ND	0.0009 / 0.003
CBC	ND	ND	0.0011 / 0.003
CBCa	ND	ND	0.0015 / 0.005

Sum of Cannabinoids:	3.677	0.3677
Total THC (Δ9THC+0.877*THCa)	ND	ND
Total CBD (CBD+0.877*CBDa)	3.669	0.3669

Action Limit mg

Δ9THC per Unit  
Δ9THC per Serving

## Batch Photo



## Terpene Test Results

Terpene analysis utilizing Gas Chromatography - Flame Ionization Detection (GC - FID)

	mg/g	%	LOD / LOQ mg/g
▣ Bisabolol	NT		
▣ Pinene	NT		
3 Carene	NT		
Borneol	NT		
▣ Caryophyllene	NT		
Geraniol	NT		
▣ Humulene	NT		
Terpinolene	NT		
Valencene	NT		
Menthol	NT		
Nerolidol	NT		
Camphene	NT		
Eucalyptol	NT		
▣ Cedrene	NT		
Camphor	NT		
(-)-Isopulegol	NT		
Sabinene	NT		
▣ Terpinene	NT		
▣ Terpinene	NT		
Linalool	NT		
Limonene	NT		
Myrcene	NT		
Fenchol	NT		
▣ Phellandrene	NT		
Caryophyllene Oxide	NT		
Terpineol	NT		
▣ Pinene	NT		
R-(+)-Pulegone	NT		
Geranyl Acetate	NT		
Citronellol	NT		
p-Cymene	NT		
Ocimene	NT		
Guaiol	NT		
Phytol	NT		
Isoborneol	NT		

Total Terpene Concentration: NT

## Sample Certification

California Code of Regulations Title 16 Effect Date January 16, 2019  
Authority: Section 26013, Business and Professions Code.  
Reference: Sections 26100, 26104 and 26110, Business and Professions Code.



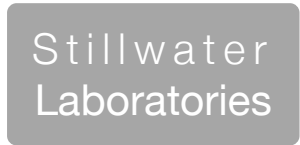
Scan to verify at sclabs.com  
Sample must be marked as public to be viewable

*Carmen Stackhouse*

Carmen Stackhouse, LQC Verified By  
Date: 04/09/2020

*Josh Wurzer*

Josh Wurzer, President  
Date: 04/09/2020



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

Sample Handling

test ID sample date 5/8/20 9:50 AM  
 order 7234 labID 0EG45 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

topical



Potency

potency not tested

Terpenes

Terpenes	%	estimated error	Terpenes	%	estimated error	Terpenes	%	estimated error
β-myrcene	0.000%	± 0.0016%	camphene	0.000%	± 0.0016%	guaiol	0.000%	± 0.0016%
β-caryophyllene	0.000%	± 0.0016%	Δ3-carene	0.000%	± 0.0016%	β-bisabolol	0.000%	± 0.0016%
alpha-pinene	0.000%	± 0.0016%	a-terpinene	0.000%	± 0.0016%	eucalyptol	0.000%	± 0.0016%
β-pinene	0.000%	± 0.0016%	para-cymene	0.000%	± 0.0016%			
D-limonene	0.000%	± 0.0016%	g-terpinene	0.000%	± 0.0016%			
linalool	0.000%	± 0.0016%	(-)-isopulegol	0.000%	± 0.0016%	total terpenes		
ocimene	0.000%	± 0.0033%	geraniol	0.000%	± 0.0016%			
terpinolene	0.000%	± 0.0016%	cis-nerolidol	0.000%	± 0.0016%			
alpha-humulene	0.000%	± 0.0016%	trans-nerolidol	0.000%	± 0.0016%			
								0.00%

Solvents

Solvents	MT limit	0EG45	LOQ
propane	5,000	1 ppm	<10ppm
butanes	5,000	0 ppm	<10ppm
pentanes	5,000	0 ppm	<10ppm
hexanes	290	0 ppm	<10ppm
cyclohexane	3,880	1 ppm	<10ppm
heptanes	5,000	0 ppm	<10ppm
methanol	3,000	11 ppm	<10ppm
isopropanol	5,000	400 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

Pesticides (MT)

Pesticides (MT)	MT limit	0EG45	LOQ
abamectin	0.00 ppm	<10ppb	
acequinocyl	0.00 ppm	<10ppb	
bifenazate	0.00 ppm	<10ppb	
bifenthrin	0.00 ppm	<10ppb	
chlormequat cl.	0.00 ppm	<10ppb	
cyfluthrin	0.00 ppm	<80ppb	
diaminozide	0.00 ppm	<10ppb	
etoxazole	0.00 ppm	<10ppb	
fenoxycarb	0.00 ppm	<10ppb	
imazalil	0.00 ppm	<10ppb	
imidacloprid	0.00 ppm	<10ppb	
myclobutanil	0.00 ppm	<10ppb	
paclobutrazol	0.00 ppm	<10ppb	
pyrethrins	0.00 ppm	<10ppb	
spinosad	0.00 ppm	<10ppb	
spiromesifen	0.00 ppm	<10ppb	
spirotetramat	0.00 ppm	<10ppb	
trifloxystrobin	0.00 ppm	<10ppb	

Pesticides (other)

Pesticides (other)	0EG45	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

Toxic Metals

Toxic Metals	MT limit	0EG45	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

Microbial

Microbial	MT limit	0EG45	LOQ
<i>E. coli</i>	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

Comments

• 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>y</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>y</sub>. Sampling error is not

Certified by:

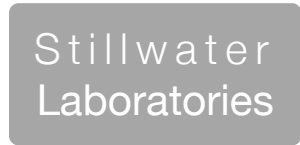
Paula Kosted, PhD (Biochem)  
 Deputy Director  
 6073 US93N, Olney MT 59927  
 406-881-2019 rdb@stwlabs.com

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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

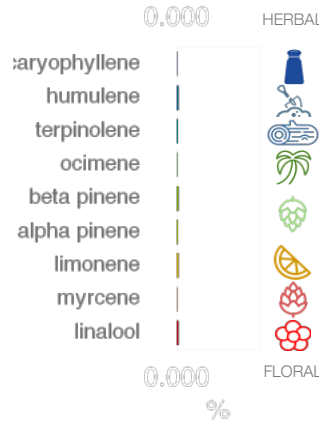


https://portal.a2la.org/scopepdf/4961-01.pdf

Sample Handling

test ID sample date 2/24/20 4:49 PM  
 order 6654 labID OBR66 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	Terpenes	%	estimated error	Terpenes	%	estimated error
tetrahydrocannabinolic acid (THCa)	ND	± 0.02 %	β-myrcene	0.001%	± 0.0017%	camphene	0.002%	± 0.0017%	guaiol	0.000%	± 0.0017%
Δ <sup>9</sup> -tetrahydrocannabinol (Δ <sup>9</sup> THC)	ND	± 0.02 %	β-caryophyllene	0.001%	± 0.0017%	Δ <sup>3</sup> -carene	0.003%	± 0.0018%	β-bisabolol	0.002%	± 0.0017%
Δ <sup>8</sup> -tetrahydrocannabinol (Δ <sup>8</sup> THC)	ND	± 0.02 %	alpha-pinene	0.005%	± 0.0018%	a-terpinene	0.000%	± 0.0016%	eucalyptol	0.005%	± 0.0018%
tetrahydrocannabivarin (THCv)	ND	± 0.02 %	β-pinene	0.008%	± 0.0019%	para-cymene	0.009%	± 0.0019%			
cannabidiolic acid (CBDa)	ND	± 0.02 %	D-limonene	0.009%	± 0.0019%	g-terpinene	0.010%	± 0.0019%			
cannabidiol (CBD)	80.7%	± 0.73 %	linalool	0.008%	± 0.0019%	(-)-isopulegol	0.000%	± 0.0016%	total terpenes		0.08%
cannabidivarin (CBDv)	ND	± 0.02 %	ocimene	0.002%	± 0.0034%	geraniol	0.002%	± 0.0017%			
cannabigerolic acid (CBGa)	ND	± 0.02 %	terpinolene	0.003%	± 0.0018%	cis-nerolidol	0.000%	± 0.0016%			
cannabigerol (CBG)	4.02%	± 0.16 %	alpha-humulene	0.007%	± 0.0019%	trans-nerolidol	0.004%	± 0.0018%			
cannabinol (CBN)	ND	± 0.02 %									
cannabichromene (CBC)	ND	± 0.02 %									

Solvents	MT limit	OBR66	LOQ	Pesticides (MT)	MT limit	OBR66	LOQ	Pesticides (other)	OBR66	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	chloantraniliprole	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
xylenes	2,170	0 ppm	<10ppm	paclobutrazol	2.00 ppm	0.00 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
								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

Toxic Metals	MT limit	OBR66	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

Microbial	MT limit	OBR66	LOQ
<i>E. coli</i>	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

Comments

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Certified by:

Kyle Larson, MSc (Biology)  
 Deputy Director  
 6073 US93N, Olney MT 59927  
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