

CERTIFICATE OF ANALYSIS

PRODUCT NAME: Sports Cream
PRODUCT STRENGTH: 400 mg
LOT NUMBER: 21132-12
BEST BY DATE: 05/19/2023
Sample ID Number: 210514T004

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 |
|---------------------------------------|---------|---|------------------|-----------|
| Potency - Total CBD | SOP-111 | 380-500 mg CBD LOQ**: 10 PPM† (0.001%) | 537.4 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: Kayla Kolber 06/01/2021
 Kayla Kolber Date
 Quality Assurance Technician

certificate ID
1EP89

HSC400 118ml

batch 21132-12

rec'd 5/20/2021 12:43:10 PM

order 10801



total
cannabinoids
565.0mg

per
118mL

THC‡ ND
CBD‡ 537.4mg

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 565.0mg 0.02 | 0.06 | ±10.17mg
total THC‡ ND 0.02 | 0.06 | ±0.06mg
total THC (THC+THCa) ND 0.02 | 0.06 | ±0.06mg

total CBD‡ 537.4mg 0.02 | 0.06 | ±9.68mg
total CBD (CBD+CBDA) 537.4mg 0.02 | 0.06 | ±9.68mg
tetrahydrocannabinolic acid (THCa) ND 0.02 | 0.06 | ±0.06mg
Δ9-tetrahydrocannabinol (Δ9 THC) ND 0.02 | 0.06 | ±0.06mg
Δ8-tetrahydrocannabinol (Δ8 THC) ND 0.03 | 0.08 | ±0.08mg
tetrahydrocannabivarin (THCv) ND 0.02 | 0.07 | ±0.07mg
cannabidiolic acid (CBDA) ND 0.02 | 0.06 | ±0.06mg
cannabidiol (CBD) 537.4mg 0.02 | 0.06 | ±9.68mg
cannabidivarin (CBDv) ND 0.02 | 0.06 | ±0.06mg
cannabigerolic acid (CBGA) ND 0.02 | 0.06 | ±0.06mg
cannabigerol (CBG) 27.6mg 0.01 | 0.02 | ±0.51mg
cannabinol (CBN) ND 0.01 | 0.03 | ±0.03mg
cannabinolene (CBN) ND 0.02 | 0.06 | ±0.06mg

| Microbial | MSP-7.5.1.10 | limit | LOD | LOQ | error | result |
|--------------------|--------------|----------|-----|-----|-------|-----------|
| E.coli | ND | 0CFU | 0.0 | 0.1 | ±0.1 | 1CFU PASS |
| Salmonella sp. | ND | 0CFU | 0.0 | 0.1 | ±0.1 | 1CFU PASS |
| molds | ND | 10000CFU | 1.7 | 5.1 | ±5.1 | 1CFU PASS |
| Ochratoxin A | ND | 20 ppb | 0.3 | 0.8 | ±0.8 | ppb PASS |
| Aflatoxin B1B2G1G2 | ND | 20 ppb | 0.3 | 0.8 | ±0.8 | ppb PASS |

| Pesticides | MSP-7.5.1.8 | limit | LOD | LOQ | error | result |
|---------------------|-------------|-----------|--------|-------|--------|----------|
| Abamectin | ND | 0.30 ppm | 0.005 | 0.014 | ±0.014 | ppm PASS |
| Acephate | ND | 5.00 ppm | 0.005 | 0.014 | ±0.014 | ppm PASS |
| Acequinocyl | ND | 4.00 ppm | 0.004 | 0.012 | ±0.012 | ppm PASS |
| Acetamiprid | ND | 5.00 ppm | 0.003 | 0.010 | ±0.010 | ppm PASS |
| Aldicarb | ND | 0.00 ppm | 0.001 | 0.004 | ±0.004 | ppm PASS |
| Azoxystrobin | ND | 40.00 ppm | 0.001 | 0.004 | ±0.004 | ppm PASS |
| Bifenazate | ND | 5.00 ppm | 0.001 | 0.003 | ±0.003 | ppm PASS |
| Bifenthrin | ND | 0.50 ppm | 0.001 | 0.002 | ±0.002 | ppm PASS |
| Boscalid | ND | 10.00 ppm | 0.013 | 0.039 | ±0.039 | ppm PASS |
| Carbaryl | ND | 0.50 ppm | 0.005 | 0.015 | ±0.015 | ppm PASS |
| Carbofuran | ND | 0.00 ppm | 0.001 | 0.003 | ±0.003 | ppm PASS |
| Chloanthraniliprole | ND | 40.00 ppm | 0.012 | 0.037 | ±0.037 | ppm PASS |
| Chlorfenapyr | ND | 0.00 ppm | 0.003 | 0.010 | ±0.010 | ppm PASS |
| Chlorpyrifos | ND | 0.00 ppm | 0.026 | 0.078 | ±0.078 | ppm PASS |
| Clofentezine | ND | 0.50 ppm | 0.005 | 0.014 | ±0.014 | ppm PASS |
| Coumaphos | ND | 0.00 ppm | 0.003 | 0.010 | ±0.010 | ppm PASS |
| Cyfluthrin | ND | 1.00 ppm | 0.005 | 0.014 | ±0.014 | ppm PASS |
| Cypermethrin | ND | 1.00 ppm | 0.003 | 0.010 | ±0.010 | ppm PASS |
| Daminozide | ND | 0.00 ppm | 0.018 | 0.053 | ±0.053 | ppm PASS |
| Dichlorvos | ND | 0.00 ppm | 0.009 | 0.027 | ±0.027 | ppm PASS |
| Diazinon | ND | 0.20 ppm | 0.001 | 0.002 | ±0.002 | ppm PASS |
| Dimethoate | ND | 0.00 ppm | 0.001 | 0.004 | ±0.004 | ppm PASS |
| Etoxazole | ND | 1.50 ppm | 0.002 | 0.007 | ±0.007 | ppm PASS |
| Fenoxycarb | ND | 0.00 ppm | 0.002 | 0.007 | ±0.007 | ppm PASS |
| Fenpyroximate | ND | 2.00 ppm | 0.001 | 0.002 | ±0.002 | ppm PASS |
| Fipronil | ND | 0.00 ppm | 0.005 | 0.014 | ±0.014 | ppm PASS |
| Fonicamid | ND | 2.00 ppm | 0.063 | 0.188 | ±0.188 | ppm PASS |
| Fludioxonil | ND | 30.00 ppm | 0.004 | 0.012 | ±0.012 | ppm PASS |
| Hexythiazox | ND | 2.00 ppm | 0.001 | 0.002 | ±0.002 | ppm PASS |
| Imazalil | ND | 0.00 ppm | 0.004 | 0.012 | ±0.012 | ppm PASS |
| Imidacloprid | ND | 3.00 ppm | 0.001 | 0.002 | ±0.002 | ppm PASS |
| Malathion | ND | 5.00 ppm | 0.003 | 0.010 | ±0.010 | ppm PASS |
| Metalaxyl | ND | 15.00 ppm | 0.005 | 0.014 | ±0.014 | ppm PASS |
| Methiocarb | ND | 0.00 ppm | 0.002 | 0.007 | ±0.007 | ppm PASS |
| Methomyl | ND | 0.10 ppm | <0.001 | 0.001 | ±0.001 | ppm PASS |
| Methyl parathion | ND | 0.00 ppm | 0.001 | 0.002 | ±0.002 | ppm PASS |
| Mevinphos | ND | 0.00 ppm | 0.003 | 0.010 | ±0.010 | ppm PASS |
| Myclobutanil | ND | 9.00 ppm | 0.001 | 0.002 | ±0.002 | ppm PASS |
| Naled | ND | 0.50 ppm | 0.003 | 0.010 | ±0.010 | ppm PASS |
| Oxamyl | ND | 0.20 ppm | 0.001 | 0.004 | ±0.004 | ppm PASS |
| Paclbutrazol | ND | 0.00 ppm | 0.002 | 0.005 | ±0.005 | ppm PASS |
| Permethrin | ND | 20.00 ppm | 0.006 | 0.019 | ±0.019 | ppm PASS |
| Phosmet | ND | 0.20 ppm | 0.002 | 0.006 | ±0.006 | ppm PASS |
| Piperonylbutoxide | ND | 8.00 ppm | 0.006 | 0.019 | ±0.019 | ppm PASS |
| Prallethrin | ND | 0.40 ppm | 0.002 | 0.007 | ±0.007 | ppm PASS |
| Propiconazole | ND | 20.00 ppm | 0.002 | 0.007 | ±0.007 | ppm PASS |
| Propoxur | ND | 0.00 ppm | 0.004 | 0.011 | ±0.011 | ppm PASS |

SECURITY FEATURE: WATERMARK MUST MATCH CERTIFICATE ID AND ISSUE DATE

| Metals | MSP-7.5.1.11 | limit | LOD | LOQ | error | result |
|---------|--------------|----------|------|------|-------|----------|
| Arsenic | ND | 1500 ppb | 7.9 | 23.6 | ±23.6 | ppb PASS |
| Cadmium | ND | 500 ppb | 8.5 | 25.4 | ±25.4 | ppb PASS |
| Lead | ND | 500 ppb | 13.2 | 39.6 | ±39.6 | ppb PASS |
| Mercury | ND | 300 ppb | 6.6 | 19.9 | ±19.9 | ppb PASS |

| Pesticides | MSP-7.5.1.8 | limit | LOD | LOQ | error | result |
|-----------------|-------------|-----------|-------|-------|--------|----------|
| Pyrethrin | ND | 1.00 ppm | 0.002 | 0.005 | ±0.005 | ppm PASS |
| Pyridaben | ND | 3.00 ppm | 0.001 | 0.002 | ±0.002 | ppm PASS |
| Spinetoram | ND | 3.00 ppm | 0.002 | 0.006 | ±0.006 | ppm PASS |
| Spinosad | ND | 3.00 ppm | 0.004 | 0.013 | ±0.013 | ppm PASS |
| Spiromesifen | ND | 12.00 ppm | 0.002 | 0.006 | ±0.006 | ppm PASS |
| Spirotetramat | ND | 13.00 ppm | 0.001 | 0.004 | ±0.004 | ppm PASS |
| Spiroxamine | ND | 0.00 ppm | 0.001 | 0.002 | ±0.002 | ppm PASS |
| Tebuconazole | ND | 2.00 ppm | 0.003 | 0.010 | ±0.010 | ppm PASS |
| Thiacloprid | ND | 0.10 ppm | 0.001 | 0.002 | ±0.002 | ppm PASS |
| Thiamethoxam | ND | 4.50 ppm | 0.002 | 0.006 | ±0.006 | ppm PASS |
| Trifloxystrobin | ND | 30.00 ppm | 0.001 | 0.004 | ±0.004 | ppm PASS |

Certified by:

Kyle Larson, MSC
Deputy Director

Jacob Harris
QA Manager



https://customer.a2la.org/index.cfm?event=directory_detail&labPID=423635B2-5128-4C6F-871A-419DCF43B0D7

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

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 calculated as: [cannabinoid]_{HPLC} = [cannabinoid]_{HPLC} x volume_{dilution}/M_{dry}. Decarboxylated cannabinoid concentration is calculated 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; LOD is the limit of detection (3.3s), LOQ is the limit of quantification (3xLOD), and experimental error is calculated from weighing, dilution, and interpolation error using the formula s_e² = Σ (d_i/d_i)² s_e² where i is the contributor to error. The 95% confidence range is calculated from: (concentration) ± t_{CL90} x s_e. Sampling error is not considered in error calculations. ND = not detected (< LOD), NT = not tested, NL = no limit, NA = not applicable. ‡ = decarbed

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Hemp Quality Assurance Testing CERTIFICATE OF ANALYSIS

DATE ISSUED 05/15/2021

SAMPLE NAME: Sports Lotion

Infused, Non-Inhalable

CULTIVATOR / MANUFACTURER

Business Name:

License Number:

Address:



SAMPLE DETAIL

Batch Number: 21132-12

Sample ID: 210514T004



Scan QR code to verify
authenticity of results.

CANNABINOID ANALYSIS - SUMMARY

Total THC: **Not Detected**

Total CBD: **3.822 mg/unit**

Sum of Cannabinoids: **3.835 mg/unit**

Total Cannabinoids: **3.835 mg/unit**

Total THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during the decarboxylation step:
Total THC = $\Delta^9\text{THC} + (\text{THCa} \cdot 0.877)$
Total CBD = $\text{CBD} + (\text{CBDa} \cdot 0.877)$
Sum of Cannabinoids = $\Delta^9\text{THC} + \text{THCa} + \text{CBD} + \text{CBDa} + \text{CBG} + \text{CBGa} + \text{THCV} + \text{THCVa} + \text{CBC} + \text{CBCa} + \text{CBDV} + \text{CBDVa} + \Delta^8\text{THC} + \text{CBL} + \text{CBN}$
Total Cannabinoids = $(\Delta^9\text{THC} + 0.877 \cdot \text{THCa}) + (\text{CBD} + 0.877 \cdot \text{CBDa}) + (\text{CBG} + 0.877 \cdot \text{CBGa}) + (\text{THCV} + 0.877 \cdot \text{THCVa}) + (\text{CBC} + 0.877 \cdot \text{CBCa}) + (\text{CBDV} + 0.877 \cdot \text{CBDVa}) + \Delta^8\text{THC} + \text{CBL} + \text{CBN}$

SAFETY ANALYSIS - SUMMARY

$\Delta^9\text{THC}$ per Unit: **PASS**

For quality assurance purposes. Not a Pre-Harvest Hemp Lab Test Report. These results relate only to the sample included on this report. This report shall not be reproduced, except in full, without written approval of the laboratory.

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.

Decision Rule: Statements of conformity (e.g. Pass/Fail) to specifications are made in this report without taking measurement uncertainty into account. Where statements of conformity are made in this report, the following decision rules are applied: PASS - Results within limits/specifications, FAIL - Results exceed limits/specifications.

References: limit of detection (LOD), limit of quantification (LOQ), not detected (ND), not tested (NT)

Date: 05/15/2021

Approved by: Josh Wurzer, President
Date: 05/15/2021



Cannabinoid Analysis

Tested by high-performance liquid chromatography with diode-array detection (HPLC-DAD).

Method: QSP 1157 - Analysis of Cannabinoids by HPLC/DAD

TOTAL THC: **Not Detected**

Total THC ($\Delta 9\text{THC} + 0.877 \cdot \text{THCa}$)

TOTAL CBD: **3.822 mg/unit**

Total CBD ($\text{CBD} + 0.877 \cdot \text{CBDa}$)

TOTAL CANNABINOIDS: **3.835 mg/unit**

Total Cannabinoids (Total THC) + (Total CBD) + (Total CBG) + (Total THCV) + (Total CBC) + (Total CBDV) + $\Delta 8\text{THC}$ + CBL + CBN

TOTAL CBG: **ND**

Total CBG ($\text{CBG} + 0.877 \cdot \text{CBGa}$)

TOTAL THCV: **ND**

Total THCV ($\text{THCV} + 0.877 \cdot \text{THCVa}$)

TOTAL CBC: **ND**

Total CBC ($\text{CBC} + 0.877 \cdot \text{CBCa}$)

TOTAL CBDV: **0.013 mg/unit**

Total CBDV ($\text{CBDV} + 0.877 \cdot \text{CBDVa}$)

CANNABINOID TEST RESULTS - 05/15/2021

| COMPOUND | LOD/LOQ (mg/g) | MEASUREMENT UNCERTAINTY (mg/g) | RESULT (mg/g) | RESULT (%) |
|----------------------------|----------------|--------------------------------|-------------------|----------------|
| CBD | 0.004 / 0.011 | ± 0.1831 | 3.822 | 0.3822 |
| CBDV | 0.002 / 0.012 | ± 0.0007 | 0.013 | 0.0013 |
| $\Delta 9\text{THC}$ | 0.002 / 0.014 | N/A | ND | ND |
| $\Delta 8\text{THC}$ | 0.01 / 0.02 | N/A | ND | ND |
| THCa | 0.001 / 0.005 | N/A | ND | ND |
| THCV | 0.002 / 0.012 | N/A | ND | ND |
| THCVa | 0.002 / 0.019 | N/A | ND | ND |
| CBDa | 0.001 / 0.026 | N/A | ND | ND |
| CBDVa | 0.001 / 0.018 | N/A | ND | ND |
| CBG | 0.002 / 0.006 | N/A | ND | ND |
| CBGa | 0.002 / 0.007 | N/A | ND | ND |
| CBL | 0.003 / 0.010 | N/A | ND | ND |
| CBN | 0.001 / 0.007 | N/A | ND | ND |
| CBC | 0.003 / 0.010 | N/A | ND | ND |
| CBCa | 0.001 / 0.015 | N/A | ND | ND |
| SUM OF CANNABINOIDS | | | 3.835 mg/g | 0.3835% |

Unit Mass: 1 grams per Unit

| | | | |
|-------------------------------|------------------------|---------------|------|
| $\Delta 9\text{THC}$ per Unit | 1120 per-package limit | ND | PASS |
| Total THC per Unit | | ND | |
| CBD per Unit | | 3.822 mg/unit | |
| Total CBD per Unit | | 3.822 mg/unit | |
| Sum of Cannabinoids per Unit | | 3.835 mg/unit | |
| Total Cannabinoids per Unit | | 3.835 mg/unit | |

