

CERTIFICATE OF ANALYSIS

PRODUCT NAME: Sports Cream
PRODUCT STRENGTH: 400 mg
LOT NUMBER: 21132-12
BEST BY DATE: 05/18/2023
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

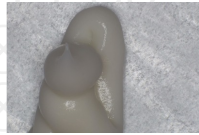
1EP89

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 | ±0.17mg
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
cannabichromene (CBC) ND 0.02 | 0.06 | ±0.06mg

Microbial table with columns: MSP-7.5.1.10, limit, LOD, LOQ, error, result. Rows include E.coli, Salmonella sp., molds, Ochratoxin A, Aflatoxin B1B2G1G2.

Pesticides table with columns: MSP-7.5.1.8, limit, LOD, LOQ, error, result. Rows include Abamectin, Acephate, Acequinocyl, Acetamiprid, Aldicarb, Azoxystrobin, Bifenthrin, Boscalid, Carbaryl, Carbofuran, Chlorantraniliprole, Chlorfenapyr, Chlorpyrifos, Clofentezine, Coumaphos, Cyfluthrin, Cypermethrin, Daminozide, Dichlorvos, Diazinon, Dimethoate, Etoxazole, Fenoxycarb, Fenpyroximate, Fipronil, Flonicamid, Fludioxonil, Hexythiazox, Imazail, Imidacloprid, Malathion, Metalaxyl, Methiocarb, Methomyl, Methyl parathion, Mevinphos, Myclobutanil, Naled, Oxamyl, Paclobotrazol, Permethrin, Phosmet, Piperonylbutoxide, Prallethrin, Propiconazole, Propoxur.

SECURITY FEATURE: WATERMARK MUST MATCH CERTIFICATE ID AND ISSUE DATE

Metals table with columns: MSP-7.5.1.11, limit, LOD, LOQ, error, result. Rows include Arsenic, Cadmium, Lead, Mercury.

Pesticides table with columns: MSP-7.5.1.8, limit, LOD, LOQ, error, result. Rows include Pyrethrin, Pyridaben, Spinetoram, Spinosad, Spiromesifen, Spirotetramat, Spiroxamine, Tebuconazole, Thiachloprid, Thiamethoxam, Trifloxystrobin.

Certified by:

Signature of Kyle Larson

Kyle Larson, MSC Deputy Director

Signature of Jacob Harris

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] = [cannabinoid]HPLC x volume_dilution / M_dry. Decarboxyated cannabinoid concentration is calculated XXX_tot = 0.877 x 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), LOQ is the limit of quantification (3xLOD), and experimental error is calculated from weighing, dilution, and interpolation error using the formula s_e^2 = sum((d/di)^2 * s_i^2) where i is the contributor to error. The 95% confidence range is calculated from: (concentration) ± t_C1.90 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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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

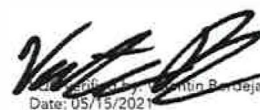
$\Delta^9\text{THC}$ per Unit: **PASS**

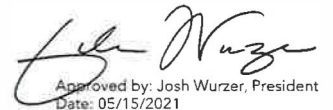
For quality assurance purposes. Not a Pre-Harvest Hemp Lab Test Report. These results relate only to the sample included on this report. This report shall not be reproduced, except in full, without written approval of the laboratory.

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

TOTAL CBD: 3.822 mg/unit

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

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 ($\text{CBG} + 0.877 * \text{CBGa}$)

TOTAL THCV: ND

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

TOTAL CBC: ND

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

TOTAL CBDV: 0.013 mg/unit

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

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	

