

BRAIN BODY TM HEALTH

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
 Quality Assurance Technician

06/01/2021

Date

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	OCFU	0.0	1.1	±0.1CFU	PASS
Salmonella sp.	ND	OCFU	0.0	1.1	±0.1CFU	PASS
molds	ND	1000OCFU	1.7	5.1	±5.1CFU	PASS
Ochratoxin A	ND	20 ppb	0.3	1.0	±0.8 ppb	PASS
Aflatoxin B1B2G1G2	ND	20 ppb	0.3	1.0	±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
Paclobotrazol	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	

