DANU

CERTIFICATE OF ANALYSIS

PRODUCT NAME:	CBD Organic Salve Stick
PRODUCT STRENGTH:	250 mg
FILL LOT NUMBER:	NA
SALVE BATCH:	21160-06
BEST BY DATE:	06/10/2023
HEMP EXTRACT LOT	C0125-001

Click on the links to view third-party reports

Physical Atttributes

Test	Method	Specification	Results
Color	SOP-100	Off-white, cream color	PASS
Odor	SOP-100	Neutral scent w/hint of hemp oil, sweet beeswax	PASS
Appearance	SOP-100	Firm textured salve in white roll-on container with cap	PASS
Primary Package Eval.	SOP-132	Container clean and free of filth. Container caps tight and shrink bands 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	250-312.50 mg CBD LOQ**: 10 PPM† (0.001%)	**282.1mg**	PASS
Potency - D9-THC	SOP-111	None Detected LOQ: 10 PPM (0.001%)	**ND**	PASS
Compliant Pesticide Panel	SOP-111	WIP-100008 : Product specification for Tinctures, Oregon Action limits apply	**ND**	PASS
Microbial - Stec E.Coli	SOP-111	Complies with USP 61/62	**Below LOQ**	PASS
Microbial - Salmonella	SOP-111	Complies with USP 61/62	**Below LOQ**	PASS
Microbial - Yeast and Mold	SOP-111	Complies with USP 61/62	**Below LOQ**	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 — Kayla Kolber — 06/22/2021

Kayla Kolber
Quality Assurance Technician

Date

certificate ID
1FK05

0.5oz Organic Salve Stick 250mg

LOT # OHSAL250-21160-06



rec'd 6/14/2021 11:08:07 AM

order 11016

total cannabinoids
298.1mg per **1/2oz**

THC‡ ND

CBD‡ 282.1mg

7USC1639 Certificate of Analysis

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

Stillwater Laboratories

Potency per 1/2oz stick

	MSP-7.5.1.4	LOD | LOQ | error (95%CI k=2)
total cannabinoids	**298.1mg**	**0.02 | 0.07 | ±5.40mg**
total THC‡	**ND**	**0.02 | 0.07 | ±0.07mg**
total THC (THC+THCa)	**ND**	**0.02 | 0.07 | ±0.07mg**
total CBD‡	282.1mg	0.02 | 0.07 | ±5.12mg
total CBD (CBD+CBDa)	282.1mg	0.02 | 0.07 | ±5.12mg
tetrahydrocannabolic acid (THCa)	ND	0.02 | 0.07 | ±0.07mg
Δ9-tetrahydrocannabinol (Δ9 THC)	ND	0.02 | 0.06 | ±0.06mg
Δ8-tetrahydrocannabinol (Δ8 THC)	ND	0.03 | 0.09 | ±0.09mg
tetrahydrocannabivarin (THCv)	ND	0.02 | 0.07 | ±0.07mg
cannabidiolic acid (CBDa)	ND	0.02 | 0.06 | ±0.06mg
cannabidiol (CBD)	282.1mg	0.02 | 0.07 | ±5.12mg
cannabidivarin (CBDv)	0.8mg	0.02 | 0.07 | ±0.08mg
cannabigerolic acid (CBGa)	ND	0.02 | 0.06 | ±0.06mg
cannabigerol (CBG)	15.1mg	0.01 | 0.02 | ±0.29mg
cannabinol (CBN)	ND	0.01 | 0.04 | ±0.04mg
cannabichromene (CBC)	ND	0.02 | 0.07 | ±0.07mg

Microbial

	MSP-7.5.1.10	limit	LOD | LOQ | error	result
E.coli	ND	0CFU	0.0 | 0.1 | ±0.1CFU	PASS
Salmonella sp.	ND	0CFU	0.0 | 0.1 | ±0.1CFU	PASS
molds	ND	10000CFU	1.8 | 5.5 | ±5.5CFU	PASS
Ochratoxin A	ND	20 ppb	0.3 | 1.0 | ±1.0 ppb	PASS
Aflatoxin B1B2G1G2	ND	20 ppb	0.3 | 1.0 | ±1.0 ppb	PASS

Metals

	MSP-7.5.1.11	limit	LOD | LOQ | error	result
Arsenic	ND	1500 ppb	6.4 | 19.1 | ±19.1 ppb	PASS
Cadmium	ND	500 ppb	6.8 | 20.5 | ±20.5 ppb	PASS
Lead	ND	500 ppb	10.7 | 32.0 | ±32.0 ppb	PASS
Mercury	ND	300 ppb	5.4 | 16.1 | ±16.1 ppb	PASS

Pesticides

	MSP-7.5.1.8	limit	LOD | LOQ | error	result
Pyrethrin	ND	1.00 ppm	0.002 | 0.006 | ±0.006 ppm	PASS
Pyridaben	ND	3.00 ppm	0.001 | 0.002 | ±0.002 ppm	PASS
Spinetoram	ND	3.00 ppm	0.003 | 0.008 | ±0.008 ppm	PASS
Spinosad	ND	3.00 ppm	0.005 | 0.015 | ±0.015 ppm	PASS
Spiromesifen	ND	12.00 ppm	0.002 | 0.007 | ±0.007 ppm	PASS
Spirotetramat	ND	13.00 ppm	0.002 | 0.005 | ±0.005 ppm	PASS
Spiroxamine	ND	0.00 ppm	0.001 | 0.002 | ±0.002 ppm	PASS
Tebuconazole	ND	2.00 ppm	0.004 | 0.012 | ±0.012 ppm	PASS
Thiacloprid	ND	0.10 ppm	0.001 | 0.002 | ±0.002 ppm	PASS
Thiamethoxam	ND	4.50 ppm	0.002 | 0.007 | ±0.007 ppm	PASS
Trifloxystrobin	ND	30.00 ppm	0.002 | 0.005 | ±0.005 ppm	PASS

SECURITY FEATURE: WATERMARK MUST MATCH CERTIFICATE ID AND ISSUE DATE

Pesticides

	MSP-7.5.1.8	limit	LOD | LOQ | error	result
Abamectin	ND	0.30 ppm	0.005 | 0.016 | ±0.016 ppm	PASS
Acephate	ND	5.00 ppm	0.006 | 0.017 | ±0.017 ppm	PASS
Acequinocyl	ND	4.00 ppm	0.005 | 0.014 | ±0.014 ppm	PASS
Acetamiprid	ND	5.00 ppm	0.004 | 0.012 | ±0.012 ppm	PASS
Aldicarb	ND	0.00 ppm	0.002 | 0.005 | ±0.005 ppm	PASS
Azoxystrobin	ND	40.00 ppm	0.002 | 0.005 | ±0.005 ppm	PASS
Bifenazate	ND	5.00 ppm	0.001 | 0.004 | ±0.004 ppm	PASS
Bifenthrin	ND	0.50 ppm	0.001 | 0.002 | ±0.002 ppm	PASS
Boscalid	ND	10.00 ppm	0.016 | 0.047 | ±0.047 ppm	PASS
Carbaryl	ND	0.50 ppm	0.006 | 0.019 | ±0.019 ppm	PASS
Carbofuran	ND	0.00 ppm	0.001 | 0.004 | ±0.004 ppm	PASS
Chloantraniliprole	ND	40.00 ppm	0.015 | 0.045 | ±0.045 ppm	PASS
Chlorfenapyr	ND	0.00 ppm	0.004 | 0.012 | ±0.012 ppm	PASS
Chlorpyrifos	ND	0.00 ppm	0.031 | 0.093 | ±0.093 ppm	PASS
Clofentezine	ND	0.50 ppm	0.006 | 0.017 | ±0.017 ppm	PASS
Coumaphos	ND	0.00 ppm	0.004 | 0.012 | ±0.012 ppm	PASS
Cyfluthrin	ND	1.00 ppm	0.006 | 0.017 | ±0.017 ppm	PASS
Cypermethrin	ND	1.00 ppm	0.004 | 0.012 | ±0.012 ppm	PASS
Daminozide	ND	0.00 ppm	0.021 | 0.064 | ±0.064 ppm	PASS
Dichlorvos	ND	0.00 ppm	0.011 | 0.033 | ±0.033 ppm	PASS
Diazinon	ND	0.20 ppm	0.001 | 0.003 | ±0.003 ppm	PASS
Dimethoate	ND	0.00 ppm	0.002 | 0.005 | ±0.005 ppm	PASS
Etoxazole	ND	1.50 ppm	0.003 | 0.009 | ±0.009 ppm	PASS
Fenoxycarb	ND	0.00 ppm	0.003 | 0.008 | ±0.008 ppm	PASS
Fenpyroximate	ND	2.00 ppm	0.001 | 0.003 | ±0.003 ppm	PASS
Fipronil	ND	0.00 ppm	0.006 | 0.017 | ±0.017 ppm	PASS
Flonicamid	ND	2.00 ppm	0.075 | 0.226 | ±0.226 ppm	PASS
Fludioxonil	ND	30.00 ppm	0.005 | 0.015 | ±0.015 ppm	PASS
Hexythiazox	ND	2.00 ppm	0.001 | 0.002 | ±0.002 ppm	PASS
Imazalil	ND	0.00 ppm	0.005 | 0.015 | ±0.015 ppm	PASS
Imidacloprid	ND	3.00 ppm	0.001 | 0.003 | ±0.003 ppm	PASS
Malathion	ND	5.00 ppm	0.004 | 0.012 | ±0.012 ppm	PASS
Metalaxyl	ND	15.00 ppm	0.006 | 0.017 | ±0.017 ppm	PASS
Methiocarb	ND	0.00 ppm	0.003 | 0.008 | ±0.008 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	0.004 | 0.012 | ±0.012 ppm	PASS
Myclobutanil	ND	9.00 ppm	0.001 | 0.002 | ±0.002 ppm	PASS
Naled	ND	0.50 ppm	0.004 | 0.012 | ±0.012 ppm	PASS
Oxamyl	ND	0.20 ppm	0.002 | 0.005 | ±0.005 ppm	PASS
Paclobutrazol	ND	0.00 ppm	0.002 | 0.006 | ±0.006 ppm	PASS
Permethrin	ND	20.00 ppm	0.008 | 0.023 | ±0.023 ppm	PASS
Phosmet	ND	0.20 ppm	0.002 | 0.007 | ±0.007 ppm	PASS
Piperonylbutoxide	ND	8.00 ppm	0.008 | 0.023 | ±0.023 ppm	PASS
Prallethrin	ND	0.40 ppm	0.003 | 0.009 | ±0.009 ppm	PASS
Propiconazole	ND	20.00 ppm	0.003 | 0.009 | ±0.009 ppm	PASS
Propoxur	ND	0.00 ppm	0.004 | 0.013 | ±0.013 ppm	PASS

Certified by:

ASA PFC Laboratory

A2LA ACCREDITED
CERT #s 4961.01, 4961.02 & 4961.03

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

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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 calcuated as: [cannabioid] = $[\text{cannabinoid}]_{HPLC} \times \text{volume}_{dilution}/m_{dry}$. ••• Decarboxyted cannabinoid concentration is calculated $XXX_{total} = 0.877 \times XXXa + XXX$ •••• Standards are used to calibrate the resulting data and estimate error using a standard estimate of error method; LOD is the limit of detection ($3.3s_i$), LOQ is the limit of quantification (3xLOD), and experimental error is calculated from weighing, dilution, and interpolation error using the formula $s_g^2 = \sum(\partial f/\partial i)^2 s_i^2$ where i is the contributor to error. The 95% confidence range is calculated from: (concentration) $\pm t_{CL90} \times s_g$. Sampling error is not considered in error calculations. ND = not detected (< LOD), NT = not tested, NL = no limit, NA = not applicable. ‡ = decarbed

C0125-001

Certificate of Analysis

	CBD	THC
total cannabinoids		
89.4%	total 83.9%	0.0%
25656	decarb total 83.87%	0%

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

ISO/IEC 17025:2017
ACCREDITED
Certificate #4961.01

Stillwater Laboratories

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

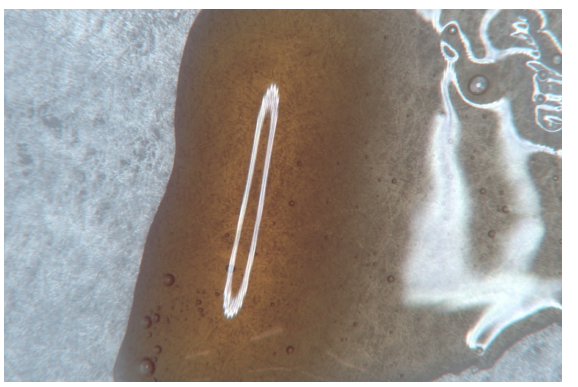
Sample Handling

test ID
sample date 1/26/21 12:33 PM
order **9634** labID **1AW04** weight
source 1Z78V4E80196231002

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-7.5.1.1	AriaMx/Hardy
solvents	MSP-7.5.1.6	QP2020/HS20
metals	MSP-7.5.1.11	ICPMS2030

concentrate



Potency

	%	estimated error
tetrahydrocannabolic acid (THCa)	0%	± 0.02 %
Δ^9-tetrahydrocannabinol (Δ^9 THC)	0%	± 0.02 %
Δ^8-tetrahydrocannabinol (Δ^8 THC)	0%	± 0.02 %
tetrahydrocannabivarin (THCv)	0%	± 0.02 %
cannabidiolic acid (CBDa)	0%	± 0.02 %
cannabidiol (CBD)	83.87%	± 0.75 %
cannabidivarin (CBDv)	.63%	± 0.07 %
cannabigerolic acid (CBGa)	0%	± 0.02 %
cannabigerol (CBG)	4.94%	± 0.18 %
cannabinol (CBN)	0%	± 0.02 %
cannabichromene (CBC)	0%	± 0.02 %

Terpenes

%	estimated error	%	estimated error	%	estimated error

terpenes
not tested / not required

Solvents

	MT limit	1AW04	LOQ
propane	5,000	PASS	<10ppm
butanes	5,000	PASS	<10ppm
pentanes	5,000	PASS	<10ppm
hexanes	290	PASS	<10ppm
cyclohexane	3,880	PASS	<10ppm
heptanes	5,000	PASS	<10ppm
methanol	3,000	PASS	<10ppm
isopropanol	5,000	PASS	<10ppm
acetone	5,000	PASS	<10ppm
ethyl acetate	5,000	PASS	<10ppm
benzene	2	PASS	<0.2ppm
toluene	890	PASS	<10ppm
xylenes	2,170	PASS	<10ppm
chloroform	2	PASS	<0.2ppm
dichloromethane	600	PASS	<10ppm
acetonitrile	NA	N/A	<10ppm
ethanol	NA	N/A	<10ppm
tetrahydrofuran	NA	N/A	<10ppm

Pesticides (MT)

	MT limit	1AW04	LOQ
abamectin	2.50 ppm	PASS	<10ppb
acequinocyl	10.00 ppm	PASS	<10ppb
bifenazate	1.00 ppm	PASS	<10ppb
bifenthrin	1.00 ppm	PASS	<10ppb
chlormequat cl.	5.00 ppm	PASS	<10ppb
cyfluthrin	5.00 ppm	PASS	<80ppb
diaminozide	5.00 ppm	PASS	<10ppb
etoxazole	1.00 ppm	PASS	<10ppb
fenoxycarb	1.00 ppm	PASS	<10ppb
imazalil	1.00 ppm	PASS	<10ppb
imidacloprid	2.00 ppm	PASS	<10ppb
myclobutanil	0.60 ppm	PASS	<10ppb
paclobutrazol	2.00 ppm	PASS	<10ppb
pyrethrins	5.00 ppm	PASS	<10ppb
spinosad	1.00 ppm	PASS	<10ppb
spiromesifen	1.00 ppm	PASS	<10ppb
spirotetramat	1.00 ppm	PASS	<10ppb
trifloxystrobin	1.00 ppm	PASS	<10ppb

Pesticides (other)

	1AW04	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

	MT limit	1AW04	LOQ
arsenic	2 ppm	PASS	<10ppb
cadmium	4.1 ppm	PASS	<10ppb
lead	1.2 ppm	PASS	<10ppb
mercury	0.4 ppm	PASS	<10ppb

Microbial

	MT limit	1AW04	LOQ
E. coli	10 CFU		<10 CFU/g
Salmonella sp.	10 CFU	PASS	<10 CFU/g
molds	10000 CFU	PASS	<10k CFU/g
Aflatoxin B1,B2,G1,G2	20 ppb	PASS	<20 ppb
Ochratoxin A	20 ppb	PASS	<20 ppb

• All testing was completed onsite at 6073 US93N, Olney MT •• Potency (cannabinoid concentration) is calcuated from the equation: [cannabioid] = $[\text{cannabinoid}]_{HPLC} \times \text{volume}_{dilution}/m_{dry}$. Terpene concentration is calcuated from the equation: [terpene] = $(\text{terpene mass})_{GCMS} / m_{dry}$. ••• Decarboxyted cannabinoid concentration is calculated from the equation $XXX_{total} = 0.877 \times XXXa + XXX$ •••• 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 $s_g^2 = \sum(\partial f/\partial i)^2 s_i^2$ where i is the contributor to error. The 95% confidence range is calculated from the equation: (concentration) $\pm t_{CL90} \times s_g$. Sampling error is not

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