

CERTIFICATE OF ANALYSIS

PRODUCT NAME: Certified Organic CBD Salve
PRODUCT STRENGTH: 1000 mg
FILL LOT NUMBER: 20281-02
BEST BY DATE: 10/08/2022
HEMP EXTRACT LOT B0914-001

Test	Method	Specification	Results
Color	SOP-100	Light off white to yellow opaque, hint of green	PASS
Odor	SOP-100	Lavender, eucalyptus, hint of beeswax and coconut	PASS
Appearance	SOP-100	Firm, semi-waxy salve in container with screw lid	PASS
Primary Package Eval.	SOP-132	Container clean and free of filth. Container caps tight and pressure seal 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	1000-1300 mg CBD LOQ**: 10 PPM† (0.001%)	1029.1 mg	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 topicals, 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 Kei Horikawa 10/20/2020
 Kei Horikawa
 Manager of Quality Assurance Date

Salve-2oz S2OZ1000

Certificate of Analysis



total cannabinoids	Δ9-THC	THCa	total THC
1054 mg	0.0 mg	0.0 mg	0.0 mg
per	CBD	CBDa	total CBD
2oz	1029.1 mg	0.0 mg	1029.1 mg

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



Stillwater
Laboratories

Lot# 20281-02

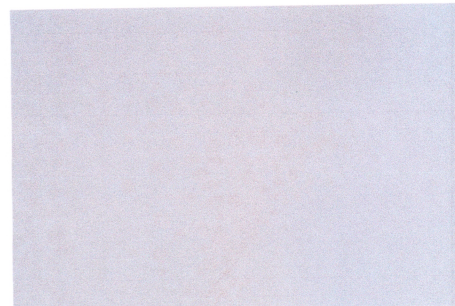
<https://portal.a2la.org/scopepdf/4961-01.pdf>

Sample Handling

test ID	sample wt	56.8 g
type	order	8585
lab ID	sample date	10/9/2020
unit	unit weight	56.8 g

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-7.5.1.1 ICPMS2030



Potency

per	2oz	estimated error	Terpenes	%	estimated error	%	estimated error	%	estimated error
tetrahydrocannabinolic acid (THCa)	0%	0.0 mg	± 0.93 mg						
Δ ⁹ -tetrahydrocannabinol (Δ ⁹ THC)	0%	0.0 mg	± 0.93 mg						
Δ ⁸ -tetrahydrocannabinol (Δ ⁸ THC)	0%	0.0 mg	± 0.93 mg						
tetrahydrocannabivarin (THCv)	0%	0.0 mg	± 0.93 mg						
cannabidiolic acid (CBDa)	0%	0.0 mg	± 0.93 mg						
cannabidiol (CBD)	1.81%	1029.1 mg	± 7.18 mg						
cannabidivarin (CBDv)	0%	0.0 mg	± 0.93 mg						
cannabigerolic acid (CBGa)	0%	0.0 mg	± 0.93 mg						
cannabigerol (CBG)	.04%	25.1 mg	± 1.45 mg						
cannabinol (CBN)	0%	0.0 mg	± 0.93 mg						
cannabichromene (CBC)	0%	0.0 mg	± 0.93 mg						

terpenes
not tested / not required

Solvents

MT limit	0KG92	LOQ	Pesticides (MT)	MT limit	0KG92	LOQ	Pesticides (other)	0KG92	LOQ
			abamectin	0.00 ppm	<10ppb		acephate	0.00 ppm	<10ppb
			acequinocyl	0.00 ppm	<10ppb		acetaminiprid	0.00 ppm	<10ppb
			bifenazate	0.00 ppm	<10ppb		aldicarb	0.00 ppm	<10ppb
			bifenthrin	0.00 ppm	<10ppb		azoxystrobin	0.00 ppm	<10ppb
			chlormequat cl.	0.00 ppm	<10ppb		boscalid	0.00 ppm	<10ppb
			cyfluthrin	0.00 ppm	<80ppb		carbaryl	0.00 ppm	<10ppb
			diaminazide	0.00 ppm	<10ppb		carbofuran	0.00 ppm	<10ppb
			etoxazole	0.00 ppm	<10ppb		chlorantraniliprole	0.00 ppm	<10ppb
			fenoxycarb	0.00 ppm	<10ppb		chlorpyrifos	0.00 ppm	<10ppb
			imazalil	0.00 ppm	<10ppb		clofentezine	0.00 ppm	<10ppb
			imidacloprid	0.00 ppm	<10ppb		cypermethrin	0.00 ppm	<10ppb
			myclobutanil	0.00 ppm	<10ppb		diazinon	0.00 ppm	<10ppb
			paclobutrazol	0.00 ppm	<10ppb		dichlorvos	0.00 ppm	<10ppb
			pyrethrins	0.00 ppm	<10ppb		dimethoate	0.00 ppm	<10ppb
			spinosad	0.00 ppm	<10ppb		etofenprox	0.00 ppm	<10ppb
			spiromesifen	0.00 ppm	<10ppb		fenpyroximate	0.00 ppm	<10ppb
			spirotetramat	0.00 ppm	<10ppb		fipronil	0.00 ppm	<10ppb
			trifloxystrobin	0.00 ppm	<10ppb		flonicamid	0.00 ppm	<10ppb

Toxic Metals

MT limit	0KG92	LOQ
arsenic	2 ppm	0.0 ppm
cadmium	4.1 ppm	0.0 ppm
lead	1.2 ppm	0.0 ppm
mercury	0.4 ppm	0.0 ppm

Microbial

MT limit	0KG92	LOQ
<i>E. coli</i>	10 CFU	0 CFU
<i>Salmonella</i> sp.	10 CFU	0 CFU
molds	10000 CFU	0 CFU
Aflatoxin B1,B2,G1,G2	20 ppb	0 ppb
Ochratoxin A	20 ppb	0 ppb

Comments

* All testing was completed onsite at 6073 US93N, Olney MT ** Potency (cannabinoid concentration) is calculated from the equation: [cannabinoid] = [cannabinoid]_{HPLC} x volume_{aliquot}/m_{dry}. Terpene concentration is calculated from the equation: [terpene] = (terpene mass)_{GCMS} / m_{dry}. *** Decarboxyated cannabinoid concentration is calculated from the equation 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; this is combined with error from weighing and dilution using the propagation of error formula s_y² = Σ (∂f/∂i)²s_i² where i is the contributor to error. The 95% confidence range is calculated from the equation: (concentration) ± t_{CL90} x s_y. Sampling error is not

Certified by:

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Deputy Director
6073 US93N, Olney MT 59927
406-881-2019 rdb@stwlabs.com

kresoxym-methyl	0.00 ppm	<10ppb
malathion	0.00 ppm	<10ppb
metaxyl	0.00 ppm	<10ppb
methiocarb	0.00 ppm	<10ppb
methomyl	0.00 ppm	<10ppb
oxamyl	0.00 ppm	<10ppb
permethrin	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

B0914-001

total
cannabinoids86.4%
24643CBD
total 84.4%
decarb total 84.23%THC
0.0%
0%This Product
Has Been
Tested and
Complies with
7USC1639o(1)
Definition of
Hemp

ISO/IEC 17025:2017



Certificate #4961.01

Certificate of Analysis

Stillwater
Laboratories<https://portal.a2la.org/scopepdf/4961-01.pdf>

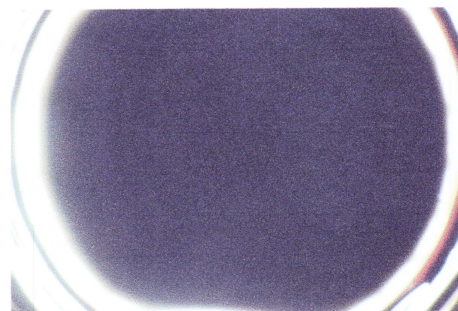
Sample Handling

test ID sample date 9/15/20 2:05 PM
order 8356 labID OJK39 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-7.5.1.1	AriaMx RTPCR
solvents MSP-7.5.1.6	QP2020/HS20
metals MSP-7.5.1.11	ICPMS2030

concentrate



Potency

	%	estimated error
tetrahydrocannabinolic 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)	1.22%	± 0.09 %
cannabidiol (CBD)	83.16%	± 0.74 %
cannabidivarin (CBDv)	.51%	± 0.06 %
cannabigerolic acid (CBGA)	0%	± 0.02 %
cannabigerol (CBG)	1.51%	± 0.10 %
cannabinol (CBN)	0%	± 0.02 %
cannabichromene (CBC)	0%	± 0.02 %

Terpenes

terpenes
not tested / not required

Solvents

MT limit	OJK39	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
xylene 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	OJK39	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)

OJK39	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
chlorantraniliprole 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
permethrin 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	OJK39	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	OJK39	LOQ
Aflatoxin B1,B2,G1,G2 20 ppb	PASS	<20 ppb
Ochratoxin A 20 ppb	PASS	<20 ppb

microbial not tested

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