CERTIFICATE OF ANALYSIS

PRODUCT NAME:	Certified Organic CBD Salve
PRODUCT STRENGTH:	500 mg
FILL LOT NUMBER:	NA
SALVE BATCH:	21172-15
BEST BY DATE:	06/22/2023
HEMP EXTRACT LOT	05GD-210318

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	500-650mg CBD LOQ**: 10 PPM† (0.001%)	**556.3 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 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 — 07/02/2021

Kayla Kolber
Quality Assurance Technician

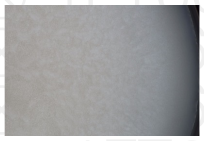
Date

certificate ID
1FT66

1oz Organic Salve-500mg

OS1OZ5000-21172-15

rec'd 6/24/2021 11:41:40 AM order 11130



total cannabinoids per ounce
600.2mg

THC‡ ND
CBD‡ 556.3mg

7USC1639 Certificate of Analysis

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

Stillwater Laboratories

Potency

	per ounce	MSP-7.5.1.4	LOD | LOQ | error (95%CI k=2)
total cannabinoids		**600.2mg**	**0.03 | 0.08 | ±10.82mg**
total THC‡		**ND**	**0.03 | 0.08 | ±0.08mg**
total THC (THC+THCa)		**ND**	**0.03 | 0.08 | ±0.08mg**
total CBD‡		556.3mg	0.03 | 0.08 | ±10.03mg
total CBD (CBD+CBDa)		556.3mg	0.03 | 0.08 | ±10.03mg
tetrahydrocannabolic acid (THCa)		ND	0.03 | 0.08 | ±0.08mg
Δ9-tetrahydrocannabinol (Δ9 THC)		ND	0.02 | 0.07 | ±0.07mg
Δ8-tetrahydrocannabinol (Δ8 THC)		ND	0.03 | 0.10 | ±0.10mg
tetrahydrocannabivarin (THCv)		ND	0.03 | 0.08 | ±0.08mg
cannabidiolic acid (CBDa)		ND	0.02 | 0.07 | ±0.07mg
cannabidiol (CBD)		556.3mg	0.03 | 0.08 | ±10.03mg
cannabidivarin (CBDv)		7.2mg	0.03 | 0.08 | ±0.21mg
cannabigerolic acid (CBGa)		ND	0.02 | 0.07 | ±0.07mg
cannabigerol (CBG)		36.7mg	0.01 | 0.02 | ±0.68mg
cannabinol (CBN)		ND	0.01 | 0.04 | ±0.04mg
cannabichromene (CBC)		ND	0.03 | 0.08 | ±0.08mg

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	2.0 | 5.9 | ±5.9CFU	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

Metals

	MSP-7.5.1.11	limit	LOD | LOQ | error	result
Arsenic	ND	1500 ppb	5.9 | 17.8 | ±17.8 ppb	PASS
Cadmium	ND	500 ppb	6.4 | 19.1 | ±19.1 ppb	PASS
Lead	ND	500 ppb	9.9 | 29.8 | ±29.8 ppb	PASS
Mercury	ND	300 ppb	5.0 | 15.0 | ±15.0 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 | 0.012 | ±0.012 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

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 | 0.014 | ±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
Chloantraniliprole	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 | 0.077 | ±0.077 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
Flonicamid	ND	2.00 ppm	0.062 | 0.187 | ±0.187 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
Paclobutrazol	ND	0.00 ppm	0.002 | 0.005 | ±0.005 ppm	PASS
Permethrin	0.12 ppm	20.00 ppm	0.006 | 0.019 | ±0.021 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

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] = $[\text{cannabinoid}]_{HPLC}$ x $\text{volume}_{dilution}/m_{dry}$. ••• Decarboxyted cannabinoid concentration is calculated XXX_{total} = 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_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) ± t_{CL90} x s_g. Sampling error is not considered in error calculations. ND = not detected (< LOD), NT = not tested, NL = no limit, NA = not applicable. ‡ = decarbed

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

Printed 6/26/2021 12:04 PM

Certificate of Analysis

Powered by Confident Cannabis

Sample: 2103DBL0448.3288

METRC Sample:
Lot #: PH-21068-BS-5M-O
Batch #: O5GD-210318

Strain: Distillate
Ordered: 03/30/2021; Sampled: 03/31/2021; Completed: 04/06/2021

OBX Organic 5G Distillate

Concentrates & Extracts, Distillate, Other

DB labs APPROVED

Pesticides | Microbials | Mycotoxins | Heavy Metals | Foreign Matter | Solvents

Terpenes

Analyzed by 300.13 GC/FID and GC/MS

0.335%
Total Terpenes

Compound	LOQ	Mass %	Mass mg/g	Relative Concentration
β-Caryophyllene		0.117	1.17	
α-Bisabolol		0.094	0.94	
α-Humulene		0.046	0.46	
cis-Nerolidol		0.035	0.35	
Guaiol		0.029	0.29	
Linalool		0.010	0.10	
trans-Nerolidol		0.003	0.03	
α-Pinene		<LOQ	<LOQ	
α-Terpinene		<LOQ	<LOQ	
β-Myrcene		<LOQ	<LOQ	
β-Pinene		<LOQ	<LOQ	
Camphene		<LOQ	<LOQ	
Caryophyllene Oxide		<LOQ	<LOQ	
cis-Ocimene		<LOQ	<LOQ	
δ-3-Carene		<LOQ	<LOQ	
δ-Limonene		<LOQ	<LOQ	
Eucalyptol		<LOQ	<LOQ	
γ-Terpinene		<LOQ	<LOQ	
Geraniol		<LOQ	<LOQ	
Isopulegol		<LOQ	<LOQ	
p-Cymene		<LOQ	<LOQ	
Terpinolene		<LOQ	<LOQ	
trans-Ocimene		<LOQ	<LOQ	

Cannabinoid Relative Concentration

Analyzed by 300.18 UHPLC/PDA

<LOQ
Total THC

85.371%
Total CBD

NT
Moisture: Not Tested

91.524%
Total Cannabinoids

Compound	LOQ	Mass %	Mass mg/g	Relative Concentration
CBC		0.067	0.67	
CBCa		<LOQ	<LOQ	
CBD		85.371	853.71	
CBDa		<LOQ	<LOQ	
CBDV		0.878	8.78	
CBDVa		<LOQ	<LOQ	
CBG		5.208	52.08	
CBGa		<LOQ	<LOQ	
CBL		<LOQ	<LOQ	
CBN		<LOQ	<LOQ	
Δ8-THC		<LOQ	<LOQ	
Δ9-THC		<LOQ	<LOQ	
THCa		<LOQ	<LOQ	
THCV		<LOQ	<LOQ	
THCVa		<LOQ	<LOQ	

Total THC = 0.877 x THCA + Δ9-THC + Δ8-THC; Total CBD = CBDa * 0.877 + CBD

Notes: Updated lot number.

Benjamin G.M. Chew, Ph.D.
Laboratory Director

Glen Marquez
Quality Control

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Certificate of Analysis

Powered by Confident Cannabis

Sample: 2103DBL0448.3288

METRC Sample:
Lot #: PH-21068-BS-5M-O
Batch #: O5GD-210318

Strain: Distillate
Ordered: 03/30/2021; Sampled: 03/31/2021; Completed: 04/06/2021

OBX Organic 5G Distillate

Concentrates & Extracts, Distillate, Other

Pesticides — Pass

Analyzed by 300.9 LC/MS/MS and GC/MS/MS

Compound	LOQ	Limit	Mass	Status
	PPB	PPB	PPB	
Abamectin	50	300	<LOQ	Pass
Acequinocyl	10	4000	<LOQ	Pass
Bifenazate	10	400	<LOQ	Pass
Bifenthrin	10	100	<LOQ	Pass
Cyfluthrin	10	2000	<LOQ	Pass
Cypermethrin	10	1000	<LOQ	Pass
Daminozide	10	800	<LOQ	Pass
Dimethomorph	10	2000	<LOQ	Pass
Etoxazole	10	400	<LOQ	Pass
Fenhexamid	10	1000	<LOQ	Pass
Flonicamid	10	1000	<LOQ	Pass
Fludioxonil	10	400	<LOQ	Pass
Imidacloprid	10	300	<LOQ	Pass
Myclobutanil	10	400	<LOQ	Pass
Paclobutrazol	10	400	<LOQ	Pass
Piperonyl Butoxide	10	3000	<LOQ	Pass
Pyrethrins	10	2000	<LOQ	Pass
Quintozene	10	800	<LOQ	Pass
Spinetoram	10	1200	<LOQ	Pass
Spinosad	10	1000	<LOQ	Pass
Spirotetramat	10	1000	<LOQ	Pass
Thiamethoxam	10	400	<LOQ	Pass
Trifloxystrobin	10	1000	<LOQ	Pass
Plant Growth Regulators	10	50	<LOQ	Pass

Microbials — Pass

Analyzed by 300.1 Plating/QPCR

Quantitative Analysis	LOQ	Limit	Mass	Status
			CFU/g	
Bile-Tolerant Gram-Negative Bacteria	1	1000	<LOQ	Pass
Yeast & Mold	10	1000	<LOQ	Pass

Qualitative Analysis	Detected or Not Detected	Status
E. Coli	Not Detected	Pass
Salmonella	Not Detected	Pass

Mycotoxins — Pass

Analyzed by 300.2 Elisa

Mycotoxin	LOQ	Limit	Status
	PPB	PPB	
Aflatoxins	40	400	Pass
Ochratoxin A	100	300	Pass

Heavy Metals — Pass

Analyzed by 300.8 ICP/MS

Element	LOQ	Limit	Status
	PPM	PPM	
Arsenic	0.5	0.5	Pass
Cadmium	0.5	0.5	Pass
Lead	0.5	0.5	Pass
Mercury	0.1	0.1	Pass

Residual Solvents — Pass

Analyzed by 300.13 GC/FID and GC/MS

Compound	LOQ	Limit	Status
	PPM	PPM	
Butanes	43	1000	Pass
Ethanol	417		Tested
Heptanes	42	350	Pass
Propane	43	350	Pass

Benjamin G.M. Chew, Ph.D.
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