

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 Attributes

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
 Quality Assurance Technician

07/02/2021

Date

certificate ID

1FT66

1oz Organic Salve-500mg

7USC1639 Certificate of Analysis

OS1OZ5000-21172-15

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

order 11130

total
cannabinoids
600.2mg

per
ounce

THC‡ ND
CBD‡ 556.3mg

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

Stillwater
Laboratories



Potency per ounce MSP-7.5.1.4 LOD LOQ (95%CI k=2) error

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
tetrahydrocannabinolic 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
cannabinolene (CBN)	ND	0.03 0.08 ±0.08mg

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	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

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
Acetaminopyr	ND	4.00 ppm	0.004	0.012	±0.012 ppm	PASS
Acetaminopyr	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
Chlorantraniliprole	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
Pacllobutrazol	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

SECURITY FEATURE: WATERMARK MUST MATCH CERTIFICATE ID AND ISSUE DATE

Certified by:



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}. ... 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/di)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

Printed 6/26/2021 12:04 PM



Certificate of Analysis

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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



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	0.007	0.117	1.17	
α-Bisabolol	0.007	0.094	0.94	
α-Humulene	0.007	0.046	0.46	
cis-Nerolidol	0.004	0.035	0.35	
Guaiol	0.007	0.029	0.29	
Linalool	0.007	0.010	0.10	
trans-Nerolidol	0.002	0.003	0.03	
α-Pinene	<LOQ	<LOQ	<LOQ	
α-Terpinene	<LOQ	<LOQ	<LOQ	
β-Myrcene	<LOQ	<LOQ	<LOQ	
β-Pinene	<LOQ	<LOQ	<LOQ	
Camphene	<LOQ	<LOQ	<LOQ	
Caryophyllene Oxide	<LOQ	<LOQ	<LOQ	
cis-Ocimene	<LOQ	<LOQ	<LOQ	
δ-3-Carene	<LOQ	<LOQ	<LOQ	
δ-Limonene	<LOQ	<LOQ	<LOQ	
Eucalyptol	<LOQ	<LOQ	<LOQ	
γ-Terpinene	<LOQ	<LOQ	<LOQ	
Geraniol	<LOQ	<LOQ	<LOQ	
Isopulegol	<LOQ	<LOQ	<LOQ	
p-Cymene	<LOQ	<LOQ	<LOQ	
Terpinolene	<LOQ	<LOQ	<LOQ	
trans-Ocimene	<LOQ	<LOQ	<LOQ	

Cannabinoid Relative Concentration

Analyzed by 300.18 UHPLC/PDA

<LOQ
Total THC

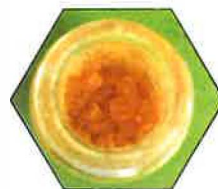
85.371%
Total CBD

NT
Moisture: Not Tested

91.524%
Total Cannabinoids

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

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



Notes: Updated lot number.



Benjamin G.M. Chew

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

Glen Marquez

Glen Marquez
Quality Control



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Las Vegas, NV
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Certificate of Analysis

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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	Status
	PPB	PPB	PPB
Abamectin	10	200	<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	300	<LOQ Pass
Dimethomorph	10	3000	<LOQ Pass
Etoxazole	10	400	<LOQ Pass
Fenhexamid	10	1000	<LOQ Pass
Flonicamid	10	1000	<LOQ Pass
Fludioxonil	10	300	<LOQ Pass
Imidacloprid	10	300	<LOQ Pass
Myclobutanil	10	400	<LOQ Pass
Pacllobutrazol	10	400	<LOQ Pass
Piperonyl Butoxide	10	3000	<LOQ Pass
Pyrethrins	10	2000	<LOQ Pass
Quintozene	10	400	<LOQ Pass
Spinetoram	10	1000	<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	Status
Bile-Tolerant Gram-Negative Bacteria	10	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
Aflatoxins	10	100	Pass
Ochratoxin A	10	100	Pass

Heavy Metals		Pass	
Analyzed by 300.8 ICP/MS			
Element	LOQ	Limit	Status
Arsenic	10	100	Pass
Cadmium	10	100	Pass
Lead	10	100	Pass
Mercury	10	100	Pass

Residual Solvents		Pass	
Analyzed by 300.13 GC/FID and GC/MS			
Compound	LOQ	Limit	Status
Butanes	10	100	Pass
Ethanol	10	100	Tested
Heptanes	10	100	Pass
Propane	10	100	Pass



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