

CERTIFICATE OF ANALYSIS

PRODUCT NAME: Mint 1350 Tincture
PRODUCT STRENGTH: 1350 mg
FILL LOT NUMBER: 200331B
TINCTURE LOT NUMBER:** [200312C](#)
BEST BY DATE: 9/13/21
HEMP EXTRACT LOT NUMBER*: [11919](#)

**MADE IN SMALL BATCHES (TINCTURE LOT NUMBER) AND FILLED IN ONLY ONE LOT/BATCH (FILL LOT NUMBER) ALL LOTS ARE TESTED FOR MICRO

Click on the Links to View Third Party Reports!

Physical Attributes

Test	Method	Specification	Results
Color	SOP-100	Golden to Amber	PASS
Odor	SOP-100	Characteristic - Olive and hemp, minty	PASS
Appearance	SOP-100	Golden to Amber oil in brown glass bottle with dropper	PASS
Primary Package Eval.	SOP-132	Container clean and free of filth. Container caps tight and shrink ba intact	PASS
Secondary Package Eval.	SOP-132	Labeling Compliance Checked, Cartons sturdy and clean. Sufficie cushion material exists. Box taped and secure.	PASS

Review of Third-Party Analysis

Panel	Method	Specification	Results	Pass/Fail
Potency - Total CBD	SOP-111	1282.5-1687.5 mg CBD LOQ**: 10 PPM† (0.001%)	1389.7	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 Tincture, Oregon Action limits apply	ND	PASS
Microbial - Stec E.Coli	SOP-111	Complies with USP 61/62	≤LOQ	PASS
Microbial - Salmonella	SOP-111	Complies with USP 61/62	≤LOQ	PASS
Microbial - Yeast and Mold	SOP-111	Complies with USP 61/62	≤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 by:

Darcie Moran

04/22/2020

Darcie Moran
Manager of Quality Assurance

Date



1755 Victory Blvd. Glendale, CA 91201
 Tel: 818.547.3221 Email: acculab@accubclabs.com
 www.accubclabs.com

COA No.:	M-JO040320-01
COA Date:	04/08/20
Sample Rec'd Date:	04/03/20
ISO/IEC 17025:2005 Standard	Page 1 of 1

MICROBIOLOGICAL CERTIFICATE OF ANALYSIS

Sample Description: *Mint Tincture 1350 mg CBD*
 Sample Batch/Lot No.: 200331B
 ACCU Laboratory Ref.: 0732225
 Purchase Order No.: N/A
 Test Method: USP
 Notes: N/A

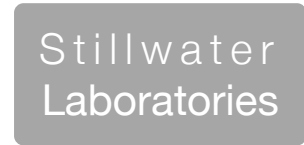
Analysis:	Results:
Total Plate Count:	<10 CFU / g
Yeast & Mold Count:	<10 CFU / g
Bile-Tolerant g- Bacteria (coliforms):	Negative
<i>Escherichia coli</i>:	Negative
<i>Salmonella</i>:	Negative

Approved By:
 Vano Baghdasarian, Laboratory Director

The results of this test relate only to the samples tested. This test report shall not be reproduced except in full, without written approval of the lab. ACCU Labs shall have no liability to anyone with respect to any interpretations or uses of the COA report, decisions made, or actions taken as a result of or based on the data reported.
 Abbreviations: g -: gram negative; g +B: gram positive Bacilli; g +C: gram positive Cocci; TPC: Total Plate Count; TNTC: Too Numerous to Count



total cannabinoids	Δ9-THC	THCa	total THC
1426.3 mg	0 mg	0 mg	0 mg
per	CBD	CBDa	total CBD
30ml	1389.7 mg	0 mg	1389.7 mg

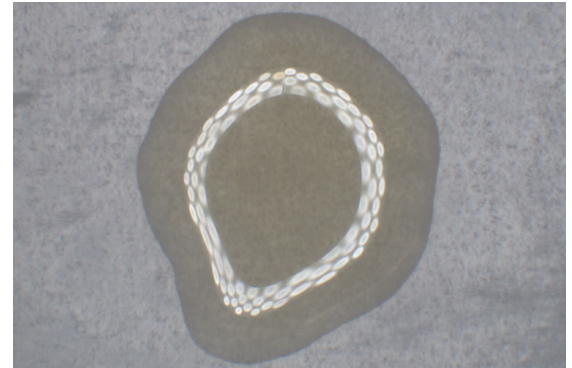


<https://portal.a2la.org/scopepdf/4961-01.pdf>

Sample Handling

test ID	sample wt	27.5 g
type	order	6841
lab ID	sample date	3/18/2020
unit	unit weight	27.5 g

tincture



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-7.5.1.9	Hardy Diag
solvents	MSP-7.5.1.6	QP2020/HS20
metals	MSP-7.5.1.1	ICPMS2030

Potency	per	30ml	estimated error	Terpenes	%	estimated error	%	estimated error	%	estimated error
tetrahydrocannabinolic acid (THCa)	0%	0 mg	± 0.45 mg	terpenes not tested / not required						
Δ ⁹ -tetrahydrocannabinol (Δ ⁹ THC)	0%	0 mg	± 0.45 mg							
Δ ⁸ -tetrahydrocannabinol (Δ ⁸ THC)	0%	0 mg	± 0.45 mg							
tetrahydrocannabivarin (THCv)	0%	0 mg	± 0.45 mg							
cannabidiolic acid (CBDa)	0%	0 mg	± 0.45 mg							
cannabidiol (CBD)	5.06%	1389.7 mg	± 1.30 mg							
cannabidivarin (CBDv)	0%	0 mg	± 0.45 mg							
cannabigerolic acid (CBGa)	0%	0 mg	± 0.45 mg							
cannabigerol (CBG)	.13%	36.6 mg	± 0.49 mg							
cannabinol (CBN)	0%	0 mg	± 0.45 mg							
cannabichromene (CBC)	0%	0 mg	± 0.45 mg							

Solvents	MT limit	OCP52	LOQ	Pesticides (MT)	MT limit	OCP52	LOQ	Pesticides (other)	OCP52	LOQ
solvents not tested / not required				abamectin		0.00 ppm	<10ppb	acephate	0.00 ppm	<10ppb
				acequinocyl		0.00 ppm	<10ppb	acetamiprid	0.00 ppm	<10ppb
				bifenazate		0.00 ppm	<10ppb	aldicarb	0.00 ppm	<10ppb
				bifenthrin		0.00 ppm	<10ppb	azoxystrobin	0.00 ppm	<10ppb
				chloromequat cl.		0.00 ppm	<10ppb	boscalid	0.00 ppm	<10ppb
				cyfluthrin		0.00 ppm	<80ppb	carbaryl	0.00 ppm	<10ppb
				diaminozide		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	fenproliferip	0.00 ppm	<10ppb	
			trifloxystrobin		0.00 ppm	<10ppb	flonicamid	0.00 ppm	<10ppb	

Toxic Metals	MT limit	OCP52	LOQ
arsenic	2 ppm	0.0 ppm	<10ppb
cadmium	4.1 ppm	0.0 ppm	<10ppb
lead	1.2 ppm	0.0 ppm	<10ppb
mercury	0.4 ppm	0.0 ppm	<10ppb

Comments

Microbial	MT limit	OCP52	LOQ
<i>E. coli</i>	10 CFU	0 CFU	<10 CFU/g
Salmonella sp.	10 CFU	0 CFU	<10 CFU/g
molds	10000 CFU	0 CFU	<10k CFU/g
Aflatoxin B1,B2,G1,G2	20 ppb	0 ppb	<20 ppb
Ochratoxin A	20 ppb	0 ppb	<20 ppb

• All testing was completed onsite at 6073 US93N, Olney MT • Potency (cannabinoid concentration) is calculated from the equation: [cannabinoid] = [cannabinoid]_{HPLC} x volume_{dilution}/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_g² = 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_g. Sampling error is not

Certified by:

Kyle Larson, MSc (Biology)
Deputy Director
6073 US93N, Olney MT 59927
406-881-2019 rdb@stwlabs.com

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



total cannabinoids 88.5% CBD decarb total 84.61% Δ9-THC ND

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



Stillwater Laboratories

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

Sample Handling

test ID sample date 12/4/19 2:46 PM order 6070 labID 9MD44 weight 5.4 g source

Table with 3 columns: Method, method, equipment. Lists various testing methods like weights, potency, terpenes, pesticides, etc.



concentrate

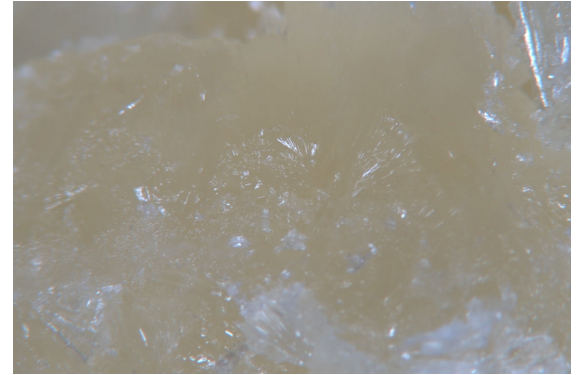


Table with 6 columns: Potency, Terpenes, and Total Terpenes. Lists compounds like tetrahydrocannabinolic acid, beta-myrcene, camphene, etc., with their respective percentages and estimated errors.

Table with 10 columns: Solvents, Pesticides (MT), Pesticides (other), and Toxic Metals. Lists various substances and their test results (PASS, FAIL, etc.) against MT limits and LOQs.

Table with 4 columns: Microbial, MT limit, 9MD44, LOQ. Lists E. coli, Salmonella sp., molds, Aflatoxin, and Ochratoxin A with their respective test results.

All testing was completed onsite at 6073 US93N, Olney MT. Potency (cannabinoid concentration) is calculated from the equation: [cannabinoid] = [cannabinoid]HPLC x volume_dilution / m_dry.

Certified by:

Handwritten signature of Kyle Larson.

Kyle Larson, MSc (Biology) Deputy Director 6073 US93N, Olney MT 59927 406-881-2019 rdb@stwlabs.com

Table with 2 columns: Pesticides (other) and results. Lists various pesticides like acephate, acetamiprid, etc., with their test results.