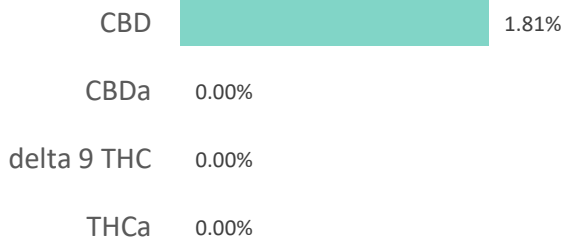
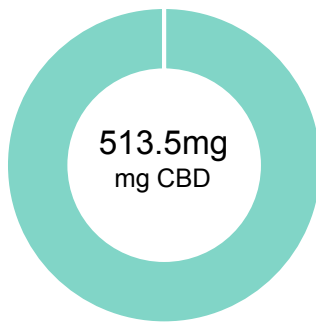


Tincture "Peppermint" 500mg/30ml CBD 0.0% THC

Batch ID:	GRMC-004-DS-3	Test ID:	5316084.0010
Reported:	30-Mar-2020	Method:	TM14
Type:	Unit		
Test:	Potency		

CANNABINOID PROFILE


Compound	LOQ (mg)	Result (mg)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	2.06	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	1.03	ND	ND
Cannabidiolic acid (CBDA)	0.91	ND	ND
Cannabidiol (CBD)	0.51	513.50	18.1
Delta 8-Tetrahydrocannabinol (Delta 8THC)	1.13	ND	ND
Cannabinolic Acid (CBNA)	2.82	ND	ND
Cannabinol (CBN)	1.25	ND	ND
Cannabigerolic acid (CBGA)	1.80	ND	ND
Cannabigerol (CBG)	1.01	ND	ND
Tetrahydrocannabivarinic Acid (THCVA)	1.77	ND	ND
Tetrahydrocannabivarin (THCV)	0.92	ND	ND
Cannabidivarinic Acid (CBDVA)	0.84	ND	ND
Cannabidivarin (CBDV)	0.46	4.10	0.1
Cannabichromenic Acid (CBCA)	1.54	ND	ND
Cannabichromene (CBC)	1.86	ND	ND
Total Cannabinoids		517.60	18.26
Total Potential THC**		ND	ND
Total Potential CBD**		513.50	18.11

NOTES:

of Servings = 1, Sample Weight=28.35g

N/A

% = % (w/w) = Percent (Weight of Analyte / Weight of Product)

* Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.

** Total Potential THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step.

 Total THC = THC + (THCa *(0.877)) and Total CBD = CBD + (CBDa *(0.877))
 ND = None Detected (Defined by Dynamic Range of the method)

FINAL APPROVAL


 Tyler Wiese
 30-Mar-2020
 7:03 PM



 Greg Zimpfer
 30-Mar-2020
 7:33 PM

PREPARED BY / DATE

APPROVED BY / DATE

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Certificate #4329.02

Tincture "Peppermint" 500mg/30ml CBD 0.0% THC


Batch ID:	GRMC-004-DS-3	Test ID:	T000068986
Reported:	3-Apr-2020	Method:	TM19
Type:	Other		
Test:	Metals		

HEAVY METALS

Analyte	Dynmic Range (ppm)	Result (ppm)
Arsenic	0.073 - 7.30	ND
Cadmium	0.071 - 7.09	ND
Mercury	0.125 - 12.50	ND
Lead	0.195 - 19.50	ND


* ND = None Detected (Defined by Dynamic Range of the method)

FINAL APPROVAL



Chris Jungling
3-Apr-2020
9:09 AM

PREPARED BY / DATE



Greg Zimpfer
3-Apr-2020
10:12 AM

APPROVED BY / DATE

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Tincture "Peppermint" 500mg/30ml CBD 0.0% THC

Batch ID:	GRMC-004-DS-3	Test ID:	5427595.003
Reported:	1-Apr-2020	Method:	TM17
Type:	Concentrate		
Test:	Pesticides		


PESTICIDE RESIDUE


Compound	Dynamic Range (ppb)	Result (ppb)	Compound	Dynamic Range (ppb)	Result (ppb)
Acephate	52 - 2410	ND*	Malathion	312 - 2410	ND*
Acetamiprid	52 - 2410	ND*	Metalaxyl	52 - 2410	ND*
Abamectin	>312	ND*	Methiocarb	52 - 2410	ND*
Azoxystrobin	52 - 2410	ND*	Methomyl	52 - 2410	ND*
Bifenazate	52 - 2410	ND*	MGK 264 1	312 - 2410	ND*
Boscalid	52 - 2410	ND*	MGK 264 2	312 - 2410	ND*
Carbaryl	52 - 2410	ND*	Myclobutanil	52 - 2410	ND*
Carbofuran	52 - 2410	ND*	Naled	52 - 2410	ND*
Chlorantraniliprole	52 - 2410	ND*	Oxamyl	52 - 2410	ND*
Chlorpyrifos	52 - 2410	ND*	Paclobutrazol	52 - 2410	ND*
Clofentezine	312 - 2410	ND*	Permethrin	312 - 2410	ND*
Diazinon	312 - 2410	ND*	Phosmet	52 - 2410	ND*
Dichlorvos	>312	ND*	Prophos	312 - 2410	ND*
Dimethoate	52 - 2410	ND*	Propoxur	52 - 2410	ND*
E-Fenpyroximate	52 - 2410	ND*	Pyridaben	52 - 2410	ND*
Etofenprox	52 - 2410	ND*	Spinosad A	52 - 2410	ND*
Etoxazole	312 - 2410	ND*	Spinosad D	312 - 2410	ND*
Fenoxycarb	>52	ND*	Spiromesifen	>312	ND*
Fipronil	52 - 2410	ND*	Spirotetramat	>312	ND*
Flonicamid	52 - 2410	ND*	Spiroxamine 1	52 - 2410	ND*
Fludioxonil	>312	ND*	Spiroxamine 2	52 - 2410	ND*
Hexythiazox	52 - 2410	ND*	Tebuconazole	312 - 2410	ND*
Imazalil	312 - 2410	ND*	Thiacloprid	52 - 2410	ND*
Imidacloprid	52 - 2410	ND*	Thiamethoxam	52 - 2410	ND*
Kresoxim-methyl	52 - 2410	ND*	Trifloxystrobin	52 - 2410	ND*

* ND = None Detected (Defined by Dynamic Range of the method)

N/A

FINAL APPROVAL


 Tyler Wiese
 1-Apr-2020
 2:29 PM
 PREPARED BY / DATE


 Greg Zimpfer
 1-Apr-2020
 2:40 PM
 APPROVED BY / DATE

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Tincture "Peppermint" 500mg/30ml CBD 0.0% T

Batch ID:	GRMC-004-DS-3	Test ID:	T000068982
Reported:	30-Mar-2020	Method:	TM04
Type:	Concentrate		
Test:	Residual Solvents		

RESIDUAL SOLVENTS

Solvent	Dynamic Range (ppm)	Result (ppm)
Propane	75 - 1501	*ND
Butanes (Isobutane, n-Butane)	153 - 3052	*ND
Methanol	57 - 1135	*ND
Pentane	85 - 1691	*ND
Ethanol	87 - 1730	*ND
Acetone	91 - 1822	*ND
Isopropyl Alcohol	99 - 1980	*ND
Hexane	6 - 111	*ND
Ethyl Acetate	92 - 1844	*ND
Benzene	0.2 - 3.7	*ND
Heptanes	88 - 1764	*ND
Toluene	17 - 334	*ND
Xylenes (m,p,o-Xylenes)	119 - 2387	*ND

* ND = None Detected (Defined by Dynamic Range of the method)

NOTES:
N/A**FINAL APPROVAL**
Ryan Weems
30-Mar-2020
4:53 PM
PREPARED BY / DATE
Greg Zimpfer
30-Mar-2020
7:27 PM
APPROVED BY / DATE

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Certificate #4329.02

prepared for: SPERO CBD

1111 BROADWAY,
OAKLAND, CA 94607

Tincture "Peppermint" 500mg/30ml CBD 0.0% THC

Batch ID:	GRMC-004-DS-3	Test ID:	T000068983
Reported:	29-Mar-2020	Method:	Edible - Test Methods: TM05, TM06
Type:	Edible		
Test:	Microbial Contaminants		

MICROBIAL CONTAMINANTS

Contaminant	Result (CFU/g)*
Total Aerobic Count**	None Detected
Total Coliforms**	None Detected
Total Yeast and Molds**	None Detected
E. coli	None Detected
Salmonella	None Detected

* CFU/g = Colony Forming Unit per Gram

** Values recorded in scientific notation, a common microbial practice of expressing numbers that are too large to be conveniently written in decimal form.

Examples: $10^2 = 100$ CFU
 $10^3 = 1,000$ CFU
 $10^4 = 10,000$ CFU
 $10^5 = 100,000$ CFU

NOTES:


Free from visual mold, mildew, and foreign matter

TYM: None Detected

Total Aerobic: None Detected

Coliforms: None Detected

FINAL APPROVAL



Robert Belfon
28-Mar-2020
10:03 PM



Mike Branvold
29-Mar-2020
11:13 AM

PREPARED BY / DATE

APPROVED BY / DATE

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