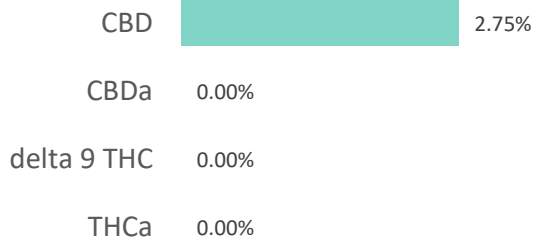
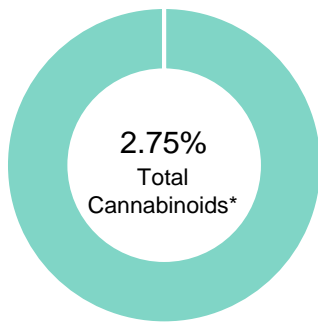


**PROTECT Tincture**

<b>Batch ID:</b>	201009-1	<b>Test ID:</b>	T000102377
<b>Type:</b>	Concentrate	<b>Submitted:</b>	10/09/2020 @ 02:52 PM
<b>Test:</b>	Potency	<b>Started:</b>	10/13/2020
<b>Method:</b>	TM14	<b>Reported:</b>	10/14/2020

**CANNABINOID PROFILE**


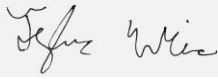

Compound	LOQ (%)	Result (%)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.08	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.04	ND	ND
Cannabidiolic acid (CBDA)	0.02	ND	ND
Cannabidiol (CBD)	0.04	2.75	27.5
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.04	ND	ND
Cannabinolic Acid (CBNA)	0.11	ND	ND
Cannabinol (CBN)	0.05	ND	ND
Cannabigerolic acid (CBGA)	0.07	ND	ND
Cannabigerol (CBG)	0.04	ND	ND
Tetrahydrocannabivarinic Acid (THCVA)	0.07	ND	ND
Tetrahydrocannabivarin (THCV)	0.03	ND	ND
Cannabidivarinic Acid (CBDVA)	0.02	ND	ND
Cannabidivarin (CBDV)	0.01	ND	ND
Cannabichromenic Acid (CBCA)	0.06	ND	ND
Cannabichromene (CBC)	0.07	ND	ND
<b>Total Cannabinoids</b>		<b>2.75</b>	<b>27.5</b>
Total Potential THC**		ND	ND
Total Potential CBD**		2.75	27.5

**NOTES:**

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 14-Oct-2020 5:02 PM	 Greg Zimpfer 14-Oct-2020 5:36 PM
PREPARED BY / DATE	APPROVED BY / DATE

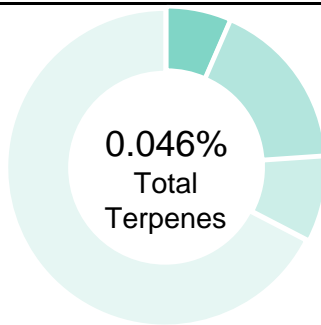
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Certificate #4329.02

**PROTECT Tincture**

<b>Batch ID:</b>	201009-1	<b>Test ID:</b>	T000102381
<b>Type:</b>	Concentrate	<b>Submitted:</b>	10/09/2020 @ 02:52 PM
<b>Test:</b>	Terpenes	<b>Started:</b>	10/12/2020
<b>Method:</b>	TM10	<b>Reported:</b>	10/14/2020

**TERPENE PROFILE**




Compound	%(w/w)	mg/g
(-)-alpha-Bisabolol	0.031	0.31
Camphene	0.000	0
delta-3-Carene	0.000	0
beta-Caryophyllene	0.008	0.08
(-)-Caryophyllene Oxide	0.000	0
p-Cymene	0.000	0
Eucalyptol	0.000	0
Geraniol	0.000	0
alpha-Humulene	0.004	0.04
(-)-Isopulegol	0.000	0
d-Limonene	0.003	0.03
Linalool	0.000	0
beta-Myrcene	0.000	0
cis-Nerolidol	0.000	0
trans-Nerolidol	0.000	0
Ocimene	0.000	0
beta-Ocimene	0.000	0
alpha-Pinene	0.000	0
(-)-beta-Pinene	0.000	0
alpha-Terpinene	0.000	0
gamma-Terpinene	0.000	0
Terpinolene	0.000	0
	<b>0.046%</b>	<b>0.46</b>

**PREDOMINANT TERPENES**

alpha-Pinene	0.000%
(-)-beta-Pinene	0.000%
beta-Myrcene	0.000%
delta-3-Carene	0.000%
alpha-Terpinene	0.000%
d-Limonene	0.003%
Linalool	0.000%
beta-Caryophyllene	0.008%
alpha-Humulene	0.004%
(-)-alpha-Bisabolol	0.031%

 NOTES:  
 0

**FINAL APPROVAL**

 Michelle Gagnon 14-Oct-2020 3:45 PM	 Ben Minton 14-Oct-2020 4:02 PM
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PREPARED BY / DATE

APPROVED BY / DATE

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Certificate #4329.02

**PROTECT Tincture**

<b>Batch ID:</b>	201009-1	<b>Test ID:</b>	T000102382
<b>Type:</b>	Concentrate	<b>Submitted:</b>	10/09/2020 @ 02:52 PM
<b>Test:</b>	Pesticides	<b>Started:</b>	10/14/2020
<b>Method:</b>		<b>Reported:</b>	10/15/2020


**PESTICIDE RESIDUE**

Compound	Dynamic Range (ppb)	Result (ppb)	Compound	Dynamic Range (ppb)	Result (ppb)
Acephate	36 - 2422	ND*	Malathion	286 - 2422	ND*
Acetamiprid	35 - 2422	ND*	Metalaxyl	39 - 2422	ND*
Abamectin	>281	ND*	Methiocarb	38 - 2422	ND*
Azoxystrobin	40 - 2422	ND*	Methomyl	36 - 2422	ND*
Bifenazate	41 - 2422	ND*	MGK 264 1	159 - 2422	ND*
Boscalid	51 - 2422	ND*	MGK 264 2	107 - 2422	ND*
Carbaryl	43 - 2422	ND*	Myclobutanil	39 - 2422	ND*
Carbofuran	40 - 2422	ND*	Naled	46 - 2422	ND*
Chlorantraniliprole	47 - 2422	ND*	Oxamyl	39 - 2422	ND*
Chlorpyrifos	50 - 2422	ND*	Paclobutrazol	45 - 2422	ND*
Clofentezine	286 - 2422	ND*	Permethrin	280 - 2422	ND*
Diazinon	306 - 2422	ND*	Phosmet	41 - 2422	ND*
Dichlorvos	>294	ND*	Prophos	260 - 2422	ND*
Dimethoate	38 - 2422	ND*	Propoxur	42 - 2422	ND*
E-Fenpyroximate	270 - 2422	ND*	Pyridaben	281 - 2422	ND*
Etofenprox	42 - 2422	ND*	Spinosad A	28 - 2422	ND*
Etoxazole	280 - 2422	ND*	Spinosad D	77 - 2422	ND*
Fenoxycarb	>43	ND*	Spiromesifen	>284	ND*
Fipronil	40 - 2422	ND*	Spirotetramat	>289	ND*
Flonicamid	47 - 2422	ND*	Spiroxamine 1	16 - 2422	ND*
Fludioxonil	>269	ND*	Spiroxamine 2	21 - 2422	ND*
Hexythiazox	42 - 2422	ND*	Tebuconazole	293 - 2422	ND*
Imazalil	266 - 2422	ND*	Thiacloprid	39 - 2422	ND*
Imidacloprid	44 - 2422	ND*	Thiamethoxam	39 - 2422	ND*
Kresoxim-methyl	44 - 2422	ND*	Trifloxystrobin	42 - 2422	ND*


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

N/A

**FINAL APPROVAL**

 Tyler Wiese  
 15-Oct-2020  
 3:51 PM

PREPARED BY / DATE

 Ben Minton  
 15-Oct-2020  
 6:24 PM

APPROVED BY / DATE

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## PROTECT Tincture

<b>Batch ID:</b>	201009-1	<b>Test ID:</b>	t000102379
<b>Type:</b>	Concentrate	<b>Submitted:</b>	10/09/2020 @ 02:52 PM
<b>Test:</b>	Residual Solvents	<b>Started:</b>	10/14/2020
<b>Method:</b>	TM04	<b>Reported:</b>	10/14/2020


## RESIDUAL SOLVENTS

Solvent	Dynamic Range (ppm)	Result (ppm)
Propane	88 - 1768	*ND
Butanes (Isobutane, n-Butane)	181 - 3610	*ND
Methanol	60 - 1194	*ND
Pentane	95 - 1905	*ND
Ethanol	94 - 1889	*ND
Acetone	98 - 1961	*ND
Isopropyl Alcohol	105 - 2095	*ND
Hexane	6 - 119	*ND
Ethyl Acetate	99 - 1978	*ND
Benzene	0.2 - 4	*ND
Heptanes	96 - 1922	*ND
Toluene	18 - 355	*ND
Xylenes (m,p,o-Xylenes)	128 - 2559	*ND

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

NOTES:  
N/A

## FINAL APPROVAL

  
Ryan Weems  
14-Oct-2020  
4:27 PM  
PREPARED BY / DATE  
Greg Zimpfer  
14-Oct-2020  
5:36 PM  
APPROVED BY / DATE

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Certificate #4329.02

**PROTECT Tincture**

<b>Batch ID:</b>	201009-1	<b>Test ID:</b>	T000102383
<b>Type:</b>	Other	<b>Submitted:</b>	10/09/2020 @ 02:52 PM
<b>Test:</b>	Metals	<b>Started:</b>	10/14/2020
<b>Method:</b>	TM19	<b>Reported:</b>	10/15/2020

**HEAVY METALS**

Analyte	Dynamic Range (ppm)	Result (ppm)
Arsenic	0.075 - 7.50	ND
Cadmium	0.075 - 7.54	ND
Mercury	0.073 - 7.32	ND
Lead	0.078 - 7.76	ND

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

**FINAL APPROVAL**Daniel Weidensaul  
15-Oct-2020  
3:34 PMGreg Zimpfer  
15-Oct-2020  
4:21 PM

PREPARED BY / DATE

APPROVED BY / DATE

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## PROTECT Tincture

<b>Batch ID:</b>	201009-1	<b>Test ID:</b>	T000102380
<b>Type:</b>	Edible	<b>Submitted:</b>	10/09/2020 @ 02:52 PM
<b>Test:</b>	Microbial Contaminants	<b>Started:</b>	10/13/2020
<b>Method:</b>	TM24, TM25, TM26, TM27, TM28	<b>Reported:</b>	10/16/2020

## MICROBIAL CONTAMINANTS

Contaminant	Result (CFU/g)*
<b>Total Aerobic Count**</b>	None Detected
<b>Total Coliforms**</b>	None Detected
<b>Total Yeast and Molds**</b>	None Detected
<b>E. coli</b>	Absent
<b>STEC and 0157 E. coli</b>	None Detected
<b>Salmonella</b>	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  
16-Oct-2020  
2:48 PM  
Greg Zimpfer  
16-Oct-2020  
5:13 PM

PREPARED BY / DATE

APPROVED BY / DATE

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