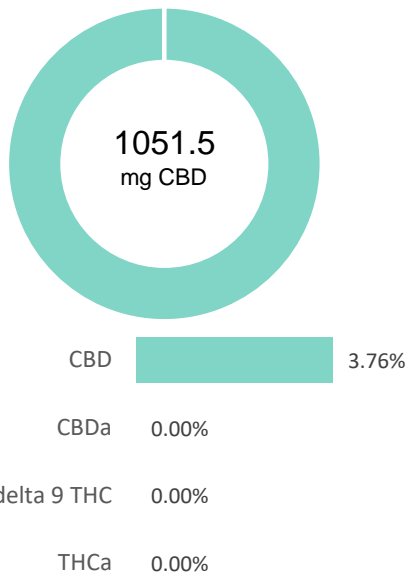


Willie's Tincture, 1000 mg, BB12/1/21

Batch ID:	2874-006-1000	Test ID:	T000120112
Type:	Unit	Submitted:	01/20/2021 @ 02:01 PM
Test:	Potency	Started:	1/22/2021
Method:	TM14	Reported:	1/26/2021

CANNABINOID PROFILE


Compound	LOQ (mg)	Result (mg)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	4.06	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	4.58	ND	ND
Cannabidiolic acid (CBDA)	4.73	ND	ND
Cannabidiol (CBD)	4.61	1051.50	37.6
Delta 8-Tetrahydrocannabinol (Delta 8THC)	5.04	ND	ND
Cannabinolic Acid (CBNA)	2.89	ND	ND
Cannabinol (CBN)	1.32	ND	ND
Cannabigerolic acid (CBGA)	4.23	ND	ND
Cannabigerol (CBG)	1.01	32.77	1.2
Tetrahydrocannabivarinic Acid (THCVA)	3.58	ND	ND
Tetrahydrocannabivarin (THCV)	0.92	ND	ND
Cannabidivarinic Acid (CBDVA)	1.97	ND	ND
Cannabidivarin (CBDV)	1.09	15.04	0.5
Cannabichromenic Acid (CBCA)	1.63	ND	ND
Cannabichromene (CBC)	1.78	2.46	0.1
Total Cannabinoids		1101.77	39.3
Total Potential THC**		ND	ND
Total Potential CBD**		1051.50	37.6

NOTES:

of Servings = 1, Sample Weight=28g

% = % (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

 Sam Smith 26-Jan-2021 4:37 PM	 Ben Minton 26-Jan-2021 8:12 PM
---------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------

PREPARED BY / DATE

APPROVED BY / DATE

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Certificate #4329.02

Willie's Tincture, 1000 mg, BB12/1/21

Batch ID:	2874-006-1000	Test ID:	T000120114
Type:	Edible	Submitted:	01/20/2021 @ 02:01 PM
Test:	Microbial Contaminants	Started:	1/22/2021
Method:	TM24, TM25, TM26, TM27, TM28	Reported:	1/25/2021

MICROBIAL CONTAMINANTS

Contaminant	Result (CFU/g)*
Total Aerobic Count**	None Detected
Total Coliforms**	None Detected
Total Yeast and Molds**	None Detected
E. coli	Absent
E. coli (STEC)	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
25-Jan-2021
3:50 PM

PREPARED BY / DATE


Greg Zimpfer
25-Jan-2021
4:44 PM

APPROVED BY / DATE

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Certificate #4329.03

Willie's Tincture, 1000 mg, BB12/1/21

Batch ID:	2874-006-1000	Test ID:	T000120113
Type:	Concentrate	Submitted:	01/20/2021 @ 02:01 PM
Test:	Pesticides	Started:	1/26/2021
Method:	TM17	Reported:	1/27/2021

PESTICIDE RESIDUE

Compound	Dynamic Range (ppb)	Result (ppb)	Compound	Dynamic Range (ppb)	Result (ppb)
Acephate	42 - 2459	ND*	Malathion	299 - 2459	ND*
Acetamiprid	42 - 2459	ND*	Metalaxyl	48 - 2459	ND*
Abamectin	>307	ND*	Methiocarb	46 - 2459	ND*
Azoxystrobin	44 - 2459	ND*	Methomyl	45 - 2459	ND*
Bifenazate	37 - 2459	ND*	MGK 264 1	178 - 2459	ND*
Boscalid	48 - 2459	ND*	MGK 264 2	121 - 2459	ND*
Carbaryl	43 - 2459	ND*	Myclobutanil	42 - 2459	ND*
Carbofuran	41 - 2459	ND*	Naled	50 - 2459	ND*
Chlorantraniliprole	43 - 2459	ND*	Oxamyl	45 - 2459	ND*
Chlorpyrifos	57 - 2459	ND*	Paclobutrazol	44 - 2459	ND*
Clofentezine	298 - 2459	ND*	Permethrin	308 - 2459	ND*
Diazinon	300 - 2459	ND*	Phosmet	45 - 2459	ND*
Dichlorvos	>284	ND*	Prophos	297 - 2459	ND*
Dimethoate	44 - 2459	ND*	Propoxur	44 - 2459	ND*
E-Fenpyroximate	295 - 2459	ND*	Pyridaben	293 - 2459	ND*
Etofenprox	40 - 2459	ND*	Spinosad A	30 - 2459	ND*
Etoxazole	291 - 2459	ND*	Spinosad D	80 - 2459	ND*
Fenoxycarb	>46	ND*	Spiromesifen	>275	ND*
Fipronil	28 - 2459	ND*	Spirotetramat	>297	ND*
Flonicamid	52 - 2459	ND*	Spiroxamine 1	20 - 2459	ND*
Fludioxonil	>313	ND*	Spiroxamine 2	23 - 2459	ND*
Hexythiazox	43 - 2459	ND*	Tebuconazole	290 - 2459	ND*
Imazalil	289 - 2459	ND*	Thiacloprid	46 - 2459	ND*
Imidacloprid	46 - 2459	ND*	Thiamethoxam	46 - 2459	ND*
Kresoxim-methyl	50 - 2459	ND*	Trifloxystrobin	43 - 2459	ND*


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

N/A

FINAL APPROVAL

 Tyler Wiese
 27-Jan-2021
 2:12 PM

PREPARED BY / DATE

 Ben Minton
 27-Jan-2021
 2:26 PM

APPROVED BY / DATE

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Willie's Tincture, 1000 mg, BB12/1/21


Batch ID:	2874-006-1000	Test ID:	T000120115
Type:	Unit	Submitted:	01/20/2021 @ 02:01 PM
Test:	Metals	Started:	1/22/2021
Method:	TM19	Reported:	1/25/2021

HEAVY METALS

Analyte	Dynamic Range (ppm)	Result (ppm)
Arsenic	0.090 - 9.04	ND
Cadmium	0.084 - 8.44	ND
Mercury	0.086 - 8.61	ND
Lead	0.104 - 10.40	ND

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

FINAL APPROVAL


Ryan Weems
25-Jan-2021
12:26 PM

PREPARED BY / DATE


Greg Zimpfer
25-Jan-2021
2:42 PM

APPROVED BY / DATE

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Willie's Tincture, 1000 mg, BB12/1/21

Batch ID:	2874-006-1000	Test ID:	T000120116
Type:	Concentrate	Submitted:	01/20/2021 @ 02:01 PM
Test:	Residual Solvents	Started:	1/25/2021
Method:	TM04	Reported:	1/25/2021

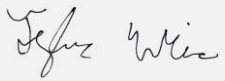
RESIDUAL SOLVENTS

Solvent	Dynamic Range (ppm)	Result (ppm)
Propane	121 - 2412	*ND
Butanes (Isobutane, n-Butane)	238 - 4753	*ND
Methanol	67 - 1337	*ND
Pentane	117 - 2345	*ND
Ethanol	110 - 2198	*ND
Acetone	110 - 2193	*ND
Isopropyl Alcohol	105 - 2105	*ND
Hexane	7 - 137	*ND
Ethyl Acetate	108 - 2159	*ND
Benzene	0.2 - 4.3	*ND
Heptanes	112 - 2239	*ND
Toluene	18 - 364	*ND
Xylenes (m,p,o-Xylenes)	126 - 2515	*ND

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


NOTES:
N/A

FINAL APPROVAL



Tyler Wiese
25-Jan-2021
8:14 PM

PREPARED BY / DATE



Greg Zimpfer
25-Jan-2021
8:26 PM

APPROVED BY / DATE

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