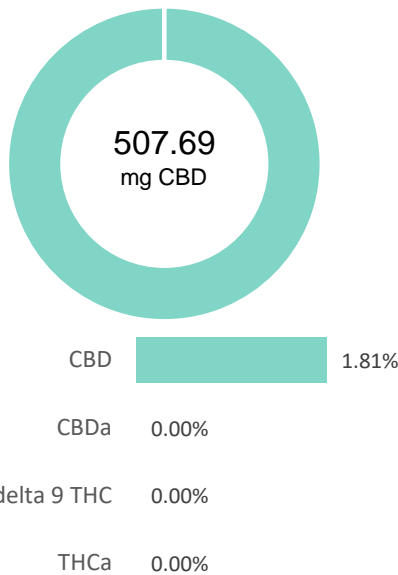


CBD Oil Drops 500mg CBD

Batch ID: HC2108	Test ID: T000130145
Type: Unit	Submitted: 03/17/2021 @ 12:04 PM
Test: Potency	Started: 3/18/2021
Method: TM14	Reported: 3/19/2021



CANNABINOID PROFILE


Compound	LOQ (mg)	Result (mg)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	3.95	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	4.46	ND	ND
Cannabidiolic acid (CBDA)	3.61	ND	ND
Cannabidiol (CBD)	3.51	507.69	18.1
Delta 8-Tetrahydrocannabinol (Delta 8THC)	4.91	ND	ND
Cannabinolic Acid (CBNA)	2.81	ND	ND
Cannabinol (CBN)	1.29	6.54	0.2
Cannabigerolic acid (CBGA)	4.12	ND	ND
Cannabigerol (CBG)	0.99	3.69	0.1
Tetrahydrocannabivarinic Acid (THCVA)	3.49	ND	ND
Tetrahydrocannabivarin (THCV)	0.90	ND	ND
Cannabidivarinic Acid (CBDVA)	1.50	ND	ND
Cannabidivarin (CBDV)	0.83	1.83	0.1
Cannabichromenic Acid (CBCA)	1.59	ND	ND
Cannabichromene (CBC)	1.74	6.89	0.2
Total Cannabinoids		526.64	18.8
Total Potential THC**		ND	ND
Total Potential CBD**		507.69	18.1

% = % (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)

NOTES:
 # of Servings = 1, Sample Weight=28g

FINAL APPROVAL

 Samantha Smith 19-Mar-2021 5:17 PM	 Scott Hansen 19-Mar-2021 5:35 PM
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PREPARED BY / DATE

APPROVED BY / DATE

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Certificate #4329.02


Hemp Distillate Broad Spec Raw

Batch ID:	HC0108	Test ID:	T000121622
Type:	Concentrate	Submitted:	01/28/2021 @ 10:01 AM
Test:	Metals	Started:	1/28/2021
Method:	TM19	Reported:	2/1/2021


HEAVY METALS

Analyte	Dynamic Range (ppm)	Result (ppm)
Arsenic	0.081 - 8.07	ND
Cadmium	0.081 - 8.12	ND
Mercury	0.085 - 8.46	ND
Lead	0.078 - 7.83	ND

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

FINAL APPROVAL
Ryan Weems
1-Feb-2021
2:19 PM

PREPARED BY / DATE


Ben Minton
1-Feb-2021
3:37 PM

APPROVED BY / DATE

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Hemp Distillate Broad Spec Raw

Batch ID:	HC0108	Test ID:	T000121621
Type:	Concentrate	Submitted:	01/28/2021 @ 10:01 AM
Test:	Microbial Contaminants	Started:	1/29/2021
Method:	TM24, TM25, TM26, TM27, TM28	Reported:	2/1/2021

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
1-Feb-2021
4:35 PM
Greg Zimpfer
1-Feb-2021
7:32 PM

PREPARED BY / DATE

APPROVED BY / DATE

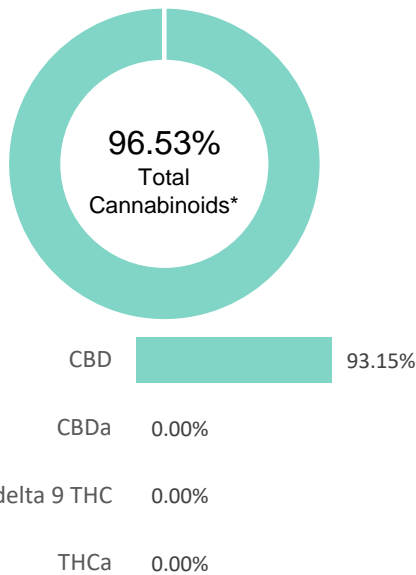
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Certificate #4329.03

Hemp Distillate Broad Spec Raw

Batch ID:	HC0108	Test ID:	T000121618
Type:	Concentrate	Submitted:	01/28/2021 @ 10:01 AM
Test:	Potency	Started:	1/28/2021
Method:	TM14	Reported:	1/29/2021



CANNABINOID PROFILE


Compound	LOQ (%)	Result (%)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.15	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.17	ND	ND
Cannabidiolic acid (CBDA)	0.12	ND	ND
Cannabidiol (CBD)	0.12	93.15	931.5
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.18	ND	ND
Cannabinolic Acid (CBNA)	0.10	ND	ND
Cannabinol (CBN)	0.05	1.24	12.4
Cannabigerolic acid (CBGA)	0.15	ND	ND
Cannabigerol (CBG)	0.04	0.51	5.1
Tetrahydrocannabivarinic Acid (THCVA)	0.13	ND	ND
Tetrahydrocannabivarin (THCV)	0.03	ND	ND
Cannabidivarinic Acid (CBDVA)	0.05	ND	ND
Cannabidivarin (CBDV)	0.03	0.33	3.3
Cannabichromenic Acid (CBCA)	0.06	ND	ND
Cannabichromene (CBC)	0.06	1.30	13.0
Total Cannabinoids		96.53	965.3
Total Potential THC**		ND	ND
Total Potential CBD**		93.15	931.5

% = % (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)

NOTES:
 N/A

FINAL APPROVAL

 Daniel Weidensaul 29-Jan-2021 5:38 PM	 Greg Zimpfer 29-Jan-2021 5:52 PM
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PREPARED BY / DATE

APPROVED BY / DATE

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Certificate #4329.02

Hemp Distillate Broad Spec Raw

Batch ID:	HC0108	Test ID:	T000121620
Type:	Concentrate	Submitted:	01/28/2021 @ 10:01 AM
Test:	Pesticides	Started:	2/1/2021
Method:	TM17	Reported:	2/3/2021


PESTICIDE RESIDUE

Compound	Dynamic Range (ppb)	Result (ppb)	Compound	Dynamic Range (ppb)	Result (ppb)
Acephate	48 - 2333	ND*	Malathion	297 - 2333	ND*
Acetamiprid	42 - 2333	ND*	Metalaxyl	46 - 2333	ND*
Abamectin	>292	ND*	Methiocarb	41 - 2333	ND*
Azoxystrobin	40 - 2333	ND*	Methomyl	41 - 2333	ND*
Bifenazate	27 - 2333	ND*	MGK 264 1	184 - 2333	ND*
Boscalid	36 - 2333	ND*	MGK 264 2	123 - 2333	ND*
Carbaryl	42 - 2333	ND*	Myclobutanil	40 - 2333	ND*
Carbofuran	42 - 2333	ND*	Naled	57 - 2333	ND*
Chlorantraniliprole	47 - 2333	ND*	Oxamyl	43 - 2333	ND*
Chlorpyrifos	46 - 2333	ND*	Paclobutrazol	42 - 2333	ND*
Clofentezine	273 - 2333	ND*	Permethrin	285 - 2333	ND*
Diazinon	295 - 2333	ND*	Phosmet	42 - 2333	ND*
Dichlorvos	>322	ND*	Prophos	260 - 2333	ND*
Dimethoate	41 - 2333	ND*	Propoxur	41 - 2333	ND*
E-Fenpyroximate	270 - 2333	ND*	Pyridaben	272 - 2333	ND*
Etofenprox	46 - 2333	ND*	Spinosad A	28 - 2333	ND*
Etoxazole	276 - 2333	ND*	Spinosad D	77 - 2333	ND*
Fenoxycarb	>45	ND*	Spiromesifen	>261	ND*
Fipronil	32 - 2333	ND*	Spirotetramat	>287	ND*
Flonicamid	49 - 2333	ND*	Spiroxamine 1	19 - 2333	ND*
Fludioxonil	>298	ND*	Spiroxamine 2	22 - 2333	ND*
Hexythiazox	39 - 2333	ND*	Tebuconazole	271 - 2333	ND*
Imazalil	287 - 2333	ND*	Thiacloprid	40 - 2333	ND*
Imidacloprid	45 - 2333	ND*	Thiamethoxam	41 - 2333	ND*
Kresoxim-methyl	41 - 2333	ND*	Trifloxystrobin	42 - 2333	ND*


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

N/A

FINAL APPROVAL

 Tyler Wiese
 3-Feb-2021
 2:23 PM

PREPARED BY / DATE

 Greg Zimpfer
 3-Feb-2021
 5:01 PM

APPROVED BY / DATE

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Hemp Distillate Broad Spec Raw

Batch ID:	HC0108	Test ID:	T000121623
Type:	Concentrate	Submitted:	01/28/2021 @ 10:01 AM
Test:	Residual Solvents	Started:	2/2/2021
Method:	TM04	Reported:	2/2/2021


RESIDUAL SOLVENTS

Solvent	Dynamic Range (ppm)	Result (ppm)
Propane	122 - 2434	*ND
Butanes (Isobutane, n-Butane)	228 - 4564	*ND
Methanol	64 - 1279	*ND
Pentane	110 - 2199	122
Ethanol	112 - 2250	*ND
Acetone	106 - 2114	*ND
Isopropyl Alcohol	111 - 2213	*ND
Hexane	6 - 128	*ND
Ethyl Acetate	108 - 2162	*ND
Benzene	0.2 - 4.2	*ND
Heptanes	107 - 2141	*ND
Toluene	19 - 386	*ND
Xylenes (m,p,o-Xylenes)	142 - 2842	*ND


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

NOTES:
N/A

FINAL APPROVAL


 Ryan Weems
 2-Feb-2021
 4:12 PM

PREPARED BY / DATE


 Ben Minton
 2-Feb-2021
 5:01 PM

APPROVED BY / DATE

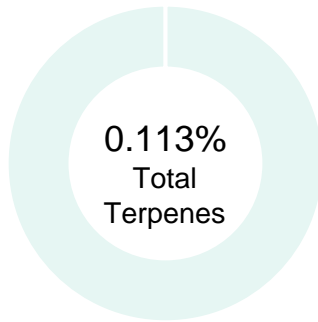
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Certificate #4329.02

Hemp Distillate Broad Spec Raw

Batch ID:	HC0108	Test ID:	T000121619
Type:	Concentrate	Submitted:	01/28/2021 @ 10:01 AM
Test:	Terpenes	Started:	1/29/2021
Method:	TM22	Reported:	2/1/2021

TERPENE PROFILE


Compound	%(w/w)	mg/g
(-)-alpha-Bisabolol	0.105	1.05
Camphene	0.000	0
delta-3-Carene	0.000	0
beta-Caryophyllene	0.000	0
(-)-Caryophyllene Oxide	0.005	0.05
p-Cymene	0.000	0
Eucalyptol	0.000	0
Geraniol	0.000	0
alpha-Humulene	0.000	0
(-)-Isopulegol	0.000	0
d-Limonene	0.000	0
Linalool	0.000	0
beta-Myrcene	0.000	0
cis-Nerolidol	0.000	0
trans-Nerolidol	0.003	0.03
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
	0.113%	1.13

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	0.000%
Linalool	0.000%
beta-Caryophyllene	0.000%
alpha-Humulene	0.000%
(-)-alpha-Bisabolol	0.105%

 NOTES:
 0

FINAL APPROVAL

 Daniel Weidensaul 1-Feb-2021 1:55 PM	 Ben Minton 1-Feb-2021 3:57 PM
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PREPARED BY / DATE

APPROVED BY / DATE

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