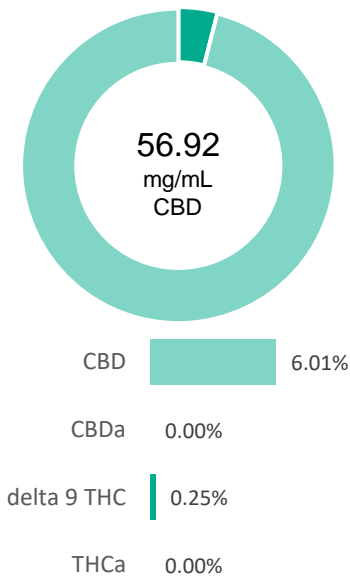


NED-FSO-B032-1500

Batch ID:	Full Spectrum Hemp Oil Batch 032 1500mg	Test ID:	T000135959
Type:	Solution	Submitted:	04/19/2021 @ 01:23 PM
Test:	Potency	Started:	4/19/2021
Method:	TM14	Reported:	4/20/2021

CANNABINOID PROFILE


Compound	LOQ (mg/mL)	Result (mg/mL)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.49	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.56	2.37	2.5
Cannabidiolic acid (CBDA)	0.62	ND	ND
Cannabidiol (CBD)	0.61	56.92	60.1
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.61	ND	ND
Cannabinolic Acid (CBNA)	0.35	ND	ND
Cannabinol (CBN)	0.16	ND	ND
Cannabigerolic acid (CBGA)	0.51	ND	ND
Cannabigerol (CBG)	0.12	2.57	2.7
Tetrahydrocannabivarinic Acid (THCVA)	0.43	ND	ND
Tetrahydrocannabivarin (THCV)	0.11	ND	ND
Cannabidivarinic Acid (CBDVA)	0.26	ND	ND
Cannabidivarin (CBDV)	0.14	0.25	0.3
Cannabichromenic Acid (CBCA)	0.20	ND	ND
Cannabichromene (CBC)	0.22	2.45	2.6
Total Cannabinoids		64.56	68.1
Total Potential THC**		2.37	2.5
Total Potential CBD**		56.92	60.1

NOTES:

Density = 0.947523g/mL

% = % (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.

$$\text{Total THC} = \text{THC} + (\text{THCa} * (0.877)) \text{ and}$$

$$\text{Total CBD} = \text{CBD} + (\text{CBDa} * (0.877))$$

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

FINAL APPROVAL

 Ryan Weems 20-Apr-2021 1:07 PM	 Tyler Wiese 20-Apr-2021 1:09 PM
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PREPARED BY / DATE

APPROVED BY / DATE

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Certificate #4329.02

NED-FSO-B032-1500

Batch ID:	Full Spectrum Hemp Oil Batch 032 1500mg	Test ID:	T000136574
Type:	Unit	Submitted:	04/22/2021 @ 12:23 PM
Test:	Trace THC	Started:	4/22/2021
Method:	TM20	Reported:	4/23/2021

TRACE THC/THCa PROFILE

Compound	Dynamic Range (%)	Result (%)	Result (mg/g)
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.001 - 0.672	0.252	2.52
Delta 9-Tetrahydrocannabinolic acid (THCa-A)	0.001 - 1.344	ND**	ND**
Total Potential THC*		0.252	2.52

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

* Total Potential THC 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))



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

*** ALOQ = Above Limit Of Quantitation (Defined by Dynamic Range of the method)

NOTES:

N/A

FINAL APPROVAL


Mara Miller
23-Apr-2021
4:39 PM
Ryan Weems
23-Apr-2021
4:41 PM

PREPARED BY / DATE

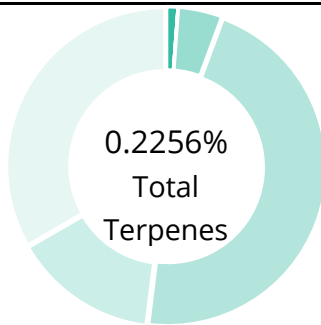
APPROVED BY / DATE

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NED-FSO-B032-1500

Batch ID:	Full Spectrum Hemp Oil Batch 032 1500mg	Test ID:	T000136575
Type:	Concentrate	Submitted:	04/22/2021 @ 12:23 PM
Test:	Terpenes	Started:	4/26/2021
Method:	TM22	Reported:	4/27/2021

TERPENE PROFILE



Compound	%(w/w)	mg/g
(-)-alpha-Bisabolol	0.0713	0.713
Camphene	0.0000	0.000
delta-3-Carene	0.0000	0.000
beta-Caryophyllene	0.0991	0.991
(-)-Caryophyllene Oxide	0.0060	0.060
p-Cymene	0.0000	0.000
Eucalyptol	0.0000	0.000
Geraniol	0.0000	0.000
alpha-Humulene	0.0315	0.315
(-)-Isopulegol	0.0000	0.000
d-Limonene	0.0000	0.000
Linalool	0.0096	0.096
beta-Myrcene	0.0025	0.025
cis-Nerolidol	0.0000	0.000
trans-Nerolidol	0.0050	0.050
Ocimene	0.0000	0.000
beta-Ocimene	0.0006	0.006
alpha-Pinene	0.0000	0.000
(-)-beta-Pinene	0.0000	0.000
alpha-Terpinene	0.0000	0.000
gamma-Terpinene	0.0000	0.000
Terpinolene	0.0000	0.000
	0.2256	2.256

PREDOMINANT TERPENES

alpha-Pinene	0.0000
(-)-beta-Pinene	0.0000
beta-Myrcene	0.0025
delta-3-Carene	0.0000
alpha-Terpinene	0.0000
d-Limonene	0.0000
Linalool	0.0096
beta-Caryophyllene	0.0991
alpha-Humulene	0.0315
(-)-alpha-Bisabolol	0.0713

NOTES:

N/A

FINAL APPROVAL

 Rvan Weems 27-Apr-2021 3:22 PM	 Mara Miller 27-Apr-2021 3:24 PM
---	--

PREPARED BY / DATE

APPROVED BY / DATE

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A2LA Certificate Number 4329.02



Certificate #4329.02

NED-FSO-B032-1500


Batch ID:	FULL SPECTRUM HEMP OIL BATCH 032 1500MG	Test ID:	T000135960
Type:	Concentrate	Submitted:	04/19/2021 @ 01:23 PM
Test:	Residual Solvents	Started:	4/22/2021
Method:	TM04	Reported:	4/22/2021

RESIDUAL SOLVENTS


Solvent	Dynamic Range (ppm)	Result (ppm)
Propane	74 - 1480	*ND
Butanes (Isobutane, n-Butane)	141 - 2825	*ND
Methanol	54 - 1085	*ND
Pentane	80 - 1591	*ND
Ethanol	79 - 1579	164
Acetone	90 - 1796	*ND
Isopropyl Alcohol	94 - 1887	*ND
Hexane	5 - 108	*ND
Ethyl Acetate	89 - 1775	*ND
Benzene	0.2 - 3.5	*ND
Heptanes	85 - 1696	*ND
Toluene	16 - 321	*ND
Xylenes (m,p,o-Xylenes)	116 - 2326	*ND

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

 NOTES:
 N/A

FINAL APPROVAL

 Daniel Weidensaul
 22-Apr-2021
 6:37 PM

PREPARED BY / DATE


 Ryan Weems
 22-Apr-2021
 6:41 PM

APPROVED BY / DATE

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Certificate #4329.02

NED-FSO-B032-1500

Batch ID:	Full Spectrum Hemp Oil Batch 032 1500mg	Test ID:	T000136576
Type:	Concentrate	Submitted:	04/22/2021 @ 12:23 PM
Test:	Pesticides	Started:	4/26/2021
Method:	TM17	Reported:	4/29/2021

PESTICIDE RESIDUE

Compound	Dynamic Range (ppb)	Result (ppb)	Compound	Dynamic Range (ppb)	Result (ppb)
Acephate	36 - 2583	ND*	Malathion	282 - 2583	ND*
Acetamiprid	41 - 2583	ND*	Metalaxyl	51 - 2583	ND*
Abamectin	>422	ND*	Methiocarb	37 - 2583	ND*
Azoxystrobin	58 - 2583	ND*	Methomyl	46 - 2583	ND*
Bifenazate	39 - 2583	ND*	MGK 264 1	156 - 2583	ND*
Boscalid	67 - 2583	ND*	MGK 264 2	114 - 2583	ND*
Carbaryl	40 - 2583	ND*	Myclobutanil	44 - 2583	ND*
Carbofuran	47 - 2583	ND*	Naled	58 - 2583	ND*
Chlorantraniliprole	53 - 2583	ND*	Oxamyl	37 - 2583	ND*
Chlorpyrifos	48 - 2583	ND*	Pacllobutrazol	45 - 2583	ND*
Clofentezine	291 - 2583	ND*	Permethrin	273 - 2583	ND*
Diazinon	282 - 2583	ND*	Phosmet	45 - 2583	ND*
Dichlorvos	>287	ND*	Prophos	338 - 2583	ND*
Dimethoate	38 - 2583	ND*	Propoxur	44 - 2583	ND*
E-Fenpyroximate	284 - 2583	ND*	Pyridaben	274 - 2583	ND*
Etofenprox	43 - 2583	ND*	Spinosad A	38 - 2583	ND*
Etoxazole	320 - 2583	ND*	Spinosad D	106 - 2583	ND*
Fenoxycarb	>39	ND*	Spiromesifen	>266	ND*
Fipronil	55 - 2583	ND*	Spirotetramat	>315	ND*
Flonicamid	42 - 2583	ND*	Spiroxamine 1	22 - 2583	ND*
Fludioxonil	>354	ND*	Spiroxamine 2	22 - 2583	ND*
Hexythiazox	38 - 2583	ND*	Tebuconazole	290 - 2583	ND*
Imazalil	294 - 2583	ND*	Thiacloprid	41 - 2583	ND*
Imidacloprid	42 - 2583	ND*	Thiamethoxam	42 - 2583	ND*
Kresoxim-methyl	57 - 2583	ND*	Trifloxystrobin	58 - 2583	ND*

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

N/A

FINAL APPROVAL



 Tyler Wiese
 29-Apr-2021
 7:58 AM



 Tavor Brevik
 29-Apr-2021
 8:01 AM

PREPARED BY / DATE

APPROVED BY / DATE

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NED-FSO-B032-1500

Batch ID:	Full Spectrum Hemp Oil Batch 032 1500mg	Test ID:	T000136577
Type:	Concentrate	Submitted:	04/22/2021 @ 12:23 PM
Test:	Microbial Contaminants	Started:	4/23/2021
Method:	TM24, TM25, TM26, TM27, TM28	Reported:	4/27/2021

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)	Absent
Salmonella	Absent

* 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


Sarah Henning
27-Apr-2021
10:57 AM
Robert Belfon
27-Apr-2021
1:27 PM

PREPARED BY / DATE

APPROVED BY / DATE

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Certificate #4329.03

NED-FSO-B032-1500

Batch ID:	Full Spectrum Hemp Oil Batch 032 1500mg	Test ID:	T000136578
Type:	Unit	Submitted:	04/22/2021 @ 12:23 PM
Test:	Metals	Started:	4/27/2021
Method:	TM19	Reported:	4/28/2021

HEAVY METALS


Analyte	Dynamic Range (ppm)	Result (ppm)
Arsenic	0.045 - 4.54	ND
Cadmium	0.047 - 4.74	ND
Mercury	0.047 - 4.73	ND
Lead	0.047 - 4.73	ND

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

FINAL APPROVAL


Ryan Weems
28-Apr-2021
4:06 PM

PREPARED BY / DATE


Daniel Weidensaul
28-Apr-2021
4:08 PM

APPROVED BY / DATE

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