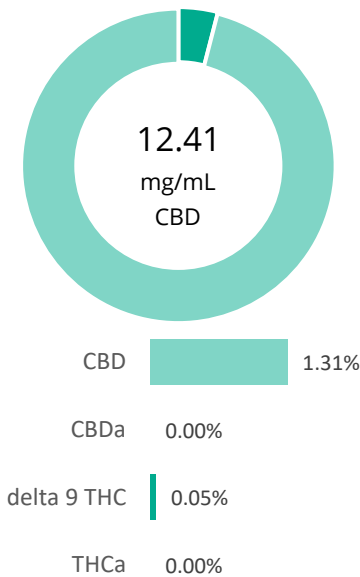


NED-FSO-B032-300

Batch ID:	Full Spectrum Hemp Oil Batch 032 300mg	Test ID:	T000137847
Type:	Solution	Submitted:	04/29/2021 @ 12:34 PM
Test:	Potency	Started:	5/3/2021
Method:	TM14	Reported:	5/4/2021

CANNABINOID PROFILE



Compound	LOQ (mg/mL)	Result (mg/mL)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.14	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.16	0.52	0.5
Cannabidiolic acid (CBDA)	0.15	ND	ND
Cannabidiol (CBD)	0.15	12.41	13.1
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.18	ND	ND
Cannabinolic Acid (CBNA)	0.10	ND	ND
Cannabinol (CBN)	0.05	ND	ND
Cannabigerolic acid (CBGA)	0.15	ND	ND
Cannabigerol (CBG)	0.04	0.56	0.6
Tetrahydrocannabivarinic Acid (THCVA)	0.13	ND	ND
Tetrahydrocannabivarin (THCV)	0.03	ND	ND
Cannabidivarinic Acid (CBDVA)	0.06	ND	ND
Cannabidivarin (CBDV)	0.04	0.05	0.1
Cannabichromenic Acid (CBCA)	0.06	ND	ND
Cannabichromene (CBC)	0.06	0.52	0.5
Total Cannabinoids		14.06	14.8
Total Potential THC**		0.52	0.5
Total Potential CBD**		12.41	13.1

% = % (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.

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

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

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

NOTES:

Density = 0.94792g/mL

FINAL APPROVAL



 Daniel Weidensaul
4-May-2021
1:24 PM



 Rvan Weems
4-May-2021
1:26 PM

PREPARED BY / DATE

APPROVED BY / DATE

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Certificate #4329.02

NED-FSO-B032-300

Batch ID:	Full Spectrum Hemp Oil Batch 032 300mg	Test ID:	T000136587
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 - 0.681	0.042	0.42
Delta 9-Tetrahydrocannabinolic acid (THCa-A)	0.001 - 1.362	ND**	ND**
Total Potential THC*		0.042	0.42

NOTES:

N/A

% = % (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)

FINAL APPROVAL



Mara Miller
23-Apr-2021
4:39 PM



Ryan Weems
23-Apr-2021
4:41 PM

PREPARED BY / DATE

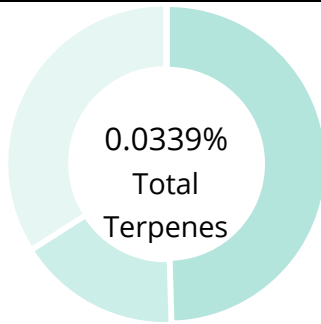
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NED-FSO-B032-300

Batch ID:	Full Spectrum Hemp Oil Batch 032 300mg	Test ID:	T000136588
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	0.0110	0.110
Camphene	0.0000	0.000
delta-3-Carene	0.0000	0.000
beta-Caryophyllene	0.0160	0.160
(-)-Caryophyllene Oxide	0.0000	0.000
p-Cymene	0.0000	0.000
Eucalyptol	0.0000	0.000
Geraniol	0.0000	0.000
alpha-Humulene	0.0053	0.053
(-)-Isopulegol	0.0000	0.000
d-Limonene	0.0000	0.000
Linalool	0.0000	0.000
beta-Myrcene	0.0000	0.000
cis-Nerolidol	0.0007	0.007
trans-Nerolidol	0.0009	0.009
Ocimene	0.0000	0.000
beta-Ocimene	0.0000	0.000
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
	0.0339	0.339

PREDOMINANT TERPENES

alpha-Pinene	0.0000
(-)-beta-Pinene	0.0000
beta-Myrcene	0.0000
delta-3-Carene	0.0000
alpha-Terpinene	0.0000
d-Limonene	0.0000
Linalool	0.0000
beta-Caryophyllene	0.0160
alpha-Humulene	0.0053
(-)-alpha-Bisabolol	0.0110

NOTES:

N/A

FINAL APPROVAL

 Rvan Weems 27-Apr-2021 3:22 PM	 Mara Miller 27-Apr-2021 3:24 PM
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PREPARED BY / DATE

APPROVED BY / DATE

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A2LA Certificate Number 4329.02



Certificate #4329.02

NED-FSO-B032-300

Batch ID:	FULL SPECTRUM HEMP OIL BATCH 032 300MG	Test ID:	T000136592
Type:	Concentrate	Submitted:	04/22/2021 @ 12:23 PM
Test:	Residual Solvents	Started:	4/27/2021
Method:	TM04	Reported:	4/28/2021

RESIDUAL SOLVENTS

Solvent	Dynamic Range (ppm)	Result (ppm)
Propane	76 - 1527	*ND
Butanes (Isobutane, n-Butane)	150 - 2996	*ND
Methanol	60 - 1193	*ND
Pentane	83 - 1663	*ND
Ethanol	86 - 1716	*ND
Acetone	92 - 1846	*ND
Isopropyl Alcohol	101 - 2020	*ND
Hexane	6 - 113	*ND
Ethyl Acetate	93 - 1868	*ND
Benzene	0.2 - 3.7	*ND
Heptanes	88 - 1755	*ND
Toluene	17 - 330	*ND
Xylenes (m,p,o-Xylenes)	118 - 2364	*ND

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

NOTES:
N/A

FINAL APPROVAL

Daniel Weidensaul
28-Apr-2021
9:57 AMRyan Weems
28-Apr-2021
12:32 PM

PREPARED BY / DATE

APPROVED BY / DATE

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Certificate #4329.02

NED-FSO-B032-300

Batch ID:	Full Spectrum Hemp Oil Batch 032 300mg	Test ID:	T000136589
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	35 - 2537	ND*	Malathion	277 - 2537	ND*
Acetamiprid	40 - 2537	ND*	Metalaxyl	50 - 2537	ND*
Abamectin	>415	ND*	Methiocarb	37 - 2537	ND*
Azoxystrobin	57 - 2537	ND*	Methomyl	45 - 2537	ND*
Bifenazate	38 - 2537	ND*	MGK 264 1	153 - 2537	ND*
Boscalid	66 - 2537	ND*	MGK 264 2	112 - 2537	ND*
Carbaryl	40 - 2537	ND*	Myclobutanil	43 - 2537	ND*
Carbofuran	46 - 2537	ND*	Naled	57 - 2537	ND*
Chlorantraniliprole	52 - 2537	ND*	Oxamyl	36 - 2537	ND*
Chlorpyrifos	47 - 2537	ND*	Paclobutrazol	45 - 2537	ND*
Clofentezine	286 - 2537	ND*	Permethrin	268 - 2537	ND*
Diazinon	277 - 2537	ND*	Phosmet	44 - 2537	ND*
Dichlorvos	>282	ND*	Prophos	332 - 2537	ND*
Dimethoate	37 - 2537	ND*	Propoxur	43 - 2537	ND*
E-Fenpyroximate	279 - 2537	ND*	Pyridaben	269 - 2537	ND*
Etofenprox	42 - 2537	ND*	Spinosad A	37 - 2537	ND*
Etoxazole	315 - 2537	ND*	Spinosad D	104 - 2537	ND*
Fenoxycarb	>39	ND*	Spiromesifen	>261	ND*
Fipronil	54 - 2537	ND*	Spirotetramat	>309	ND*
Flonicamid	41 - 2537	ND*	Spiroxamine 1	22 - 2537	ND*
Fludioxonil	>347	ND*	Spiroxamine 2	22 - 2537	ND*
Hexythiazox	38 - 2537	ND*	Tebuconazole	284 - 2537	ND*
Imazalil	289 - 2537	ND*	Thiacloprid	40 - 2537	ND*
Imidacloprid	41 - 2537	ND*	Thiamethoxam	41 - 2537	ND*
Kresoxim-methyl	56 - 2537	ND*	Trifloxystrobin	57 - 2537	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

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NED-FSO-B032-300

Batch ID:	Full Spectrum Hemp Oil Batch 032 300mg	Test ID:	T000136590
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-B032-300

Batch ID:	Full Spectrum Hemp Oil Batch 032 300mg	Test ID:	T000136591
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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