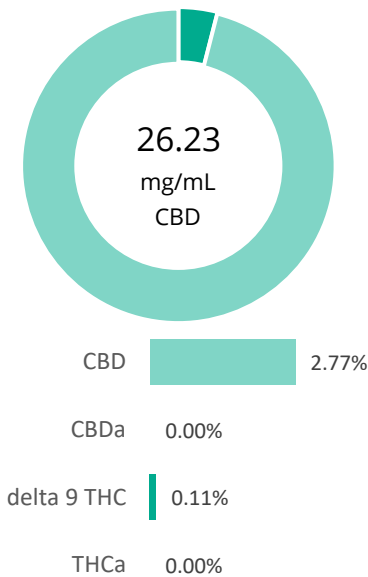


NED-FSO-B032-750

Batch ID:	Full Spectrum Hemp Oil Batch 032 750mg	Test ID:	T000136579
Type:	Solution	Submitted:	04/22/2021 @ 12:23 PM
Test:	Potency	Started:	4/26/2021
Method:	TM14	Reported:	4/27/2021

CANNABINOID PROFILE



Compound	LOQ (mg/mL)	Result (mg/mL)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.13	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.14	1.09	1.1
Cannabidiolic acid (CBDA)	0.15	ND	ND
Cannabidiol (CBD)	0.14	26.23	27.7
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.16	ND	ND
Cannabinolic Acid (CBNA)	0.09	ND	ND
Cannabinol (CBN)	0.04	0.04	0.0
Cannabigerolic acid (CBGA)	0.13	ND	ND
Cannabigerol (CBG)	0.03	1.10	1.2
Tetrahydrocannabivarinic Acid (THCVA)	0.11	ND	ND
Tetrahydrocannabivarin (THCV)	0.03	ND	ND
Cannabidivarinic Acid (CBDVA)	0.06	ND	ND
Cannabidivarin (CBDV)	0.03	0.09	0.1
Cannabichromenic Acid (CBCA)	0.05	ND	ND
Cannabichromene (CBC)	0.06	1.08	1.1
Total Cannabinoids		29.63	31.3
Total Potential THC**		1.09	1.1
Total Potential CBD**		26.23	27.7

NOTES:

Density = 0.94792g/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.

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

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

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

FINAL APPROVAL



 Sam Smith
27-Apr-2021
2:18 PM



 Rvan Weems
27-Apr-2021
2:26 PM

PREPARED BY / DATE

APPROVED BY / DATE

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Certificate #4329.02

NED-FSO-B032-750

Batch ID:	Full Spectrum Hemp Oil Batch 032 750mg	Test ID:	T000136580
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 - 0.679	0.115	1.15
Delta 9-Tetrahydrocannabinolic acid (THCa-A)	0.001 - 1.36	ND**	ND**
Total Potential THC*		0.115	1.15

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

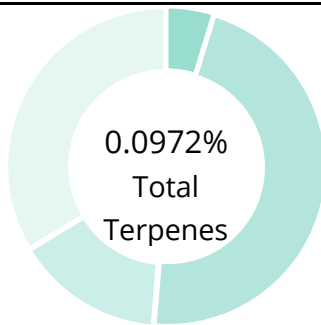
APPROVED BY / DATE

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NED-FSO-B032-750

Batch ID:	Full Spectrum Hemp Oil Batch 032 750mg	Test ID:	T000136581
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	0.0318	0.318
Camphene	0.0000	0.000
delta-3-Carene	0.0000	0.000
beta-Caryophyllene	0.0440	0.440
(-)-Caryophyllene Oxide	0.0000	0.000
p-Cymene	0.0000	0.000
Eucalyptol	0.0000	0.000
Geraniol	0.0000	0.000
alpha-Humulene	0.0142	0.142
(-)-Isopulegol	0.0000	0.000
d-Limonene	0.0000	0.000
Linalool	0.0045	0.045
beta-Myrcene	0.0000	0.000
cis-Nerolidol	0.0000	0.000
trans-Nerolidol	0.0024	0.024
Ocimene	0.0003	0.003
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
	0.0972	0.972

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	0.0045
beta-Caryophyllene	0.0440
alpha-Humulene	0.0142
(-)-alpha-Bisabolol	0.0318

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-B032-750

Batch ID:	FULL SPECTRUM HEMP OIL BATCH 032 750MG	Test ID:	T000136585
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	77 - 1538	*ND
Butanes (Isobutane, n-Butane)	151 - 3016	*ND
Methanol	60 - 1201	*ND
Pentane	84 - 1674	*ND
Ethanol	86 - 1727	*ND
Acetone	93 - 1859	*ND
Isopropyl Alcohol	102 - 2033	*ND
Hexane	6 - 114	*ND
Ethyl Acetate	94 - 1881	*ND
Benzene	0.2 - 3.7	*ND
Heptanes	88 - 1767	*ND
Toluene	17 - 333	*ND
Xylenes (m,p,o-Xylenes)	119 - 2380	*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-B032-750

Batch ID:	Full Spectrum Hemp Oil Batch 032 750mg	Test ID:	T000136582
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 - 2598	ND*	Malathion	284 - 2598	ND*
Acetamiprid	41 - 2598	ND*	Metalaxyl	51 - 2598	ND*
Abamectin	>425	ND*	Methiocarb	37 - 2598	ND*
Azoxystrobin	59 - 2598	ND*	Methomyl	46 - 2598	ND*
Bifenazate	39 - 2598	ND*	MGK 264 1	157 - 2598	ND*
Boscalid	67 - 2598	ND*	MGK 264 2	115 - 2598	ND*
Carbaryl	41 - 2598	ND*	Myclobutanil	44 - 2598	ND*
Carbofuran	48 - 2598	ND*	Naled	59 - 2598	ND*
Chlorantraniliprole	53 - 2598	ND*	Oxamyl	37 - 2598	ND*
Chlorpyrifos	48 - 2598	ND*	Paclobutrazol	46 - 2598	ND*
Clofentezine	293 - 2598	ND*	Permethrin	274 - 2598	ND*
Diazinon	284 - 2598	ND*	Phosmet	46 - 2598	ND*
Dichlorvos	>288	ND*	Prophos	340 - 2598	ND*
Dimethoate	38 - 2598	ND*	Propoxur	44 - 2598	ND*
E-Fenpyroximate	285 - 2598	ND*	Pyridaben	275 - 2598	ND*
Etofenprox	43 - 2598	ND*	Spinosad A	38 - 2598	ND*
Etoxazole	322 - 2598	ND*	Spinosad D	107 - 2598	ND*
Fenoxycarb	>39	ND*	Spiromesifen	>267	ND*
Fipronil	55 - 2598	ND*	Spirotetramat	>317	ND*
Flonicamid	42 - 2598	ND*	Spiroxamine 1	22 - 2598	ND*
Fludioxonil	>356	ND*	Spiroxamine 2	22 - 2598	ND*
Hexythiazox	38 - 2598	ND*	Tebuconazole	291 - 2598	ND*
Imazalil	296 - 2598	ND*	Thiacloprid	41 - 2598	ND*
Imidacloprid	42 - 2598	ND*	Thiamethoxam	42 - 2598	ND*
Kresoxim-methyl	57 - 2598	ND*	Trifloxystrobin	58 - 2598	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-B032-750

Batch ID:	Full Spectrum Hemp Oil Batch 032 750mg	Test ID:	T000136583
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-B032-750

Batch ID:	Full Spectrum Hemp Oil Batch 032 750mg	Test ID:	T000136584
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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