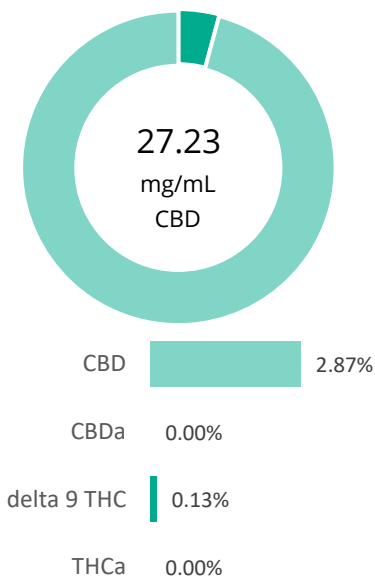


NED-FSO-B033-750

Batch ID:	Full Spectrum Hemp Oil Batch 033 750mg	Test ID:	T000162035
Type:	Solution	Submitted:	09/08/2021 @ 12:03 PM
Test:	Potency	Started:	9/13/2021
Method:	TM14 (HPLC-DAD)	Reported:	9/14/2021

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	1.19	1.3
Cannabidiolic acid (CBDA)	0.15	ND	ND
Cannabidiol (CBD)	0.15	27.23	28.7
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	1.40	1.5
Tetrahydrocannabivarinic Acid (THCVA)	0.11	ND	ND
Tetrahydrocannabivarin (THCV)	0.03	ND	ND
Cannabidivarinic Acid (CBDVA)	0.06	ND	ND
Cannabidivarin (CBDV)	0.04	0.12	0.1
Cannabichromenic Acid (CBCA)	0.05	ND	ND
Cannabichromene (CBC)	0.06	1.06	1.1
Total Cannabinoids		31.04	32.8
Total Potential THC**		1.19	1.3
Total Potential CBD**		27.23	28.7

% = % (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:

Density = 0.947523g/mL

FINAL APPROVAL

	Daniel Weidensaul 14-Sep-2021 10:45 AM		Rvan Weems 14-Sep-2021 10:46 AM
PREPARED BY / DATE		APPROVED BY / DATE	

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NED-FSO-B033-750

Batch ID:	Full Spectrum Hemp Oil Batch 033 750mg	Test ID:	T000162036
Type:	Unit	Submitted:	09/08/2021 @ 12:03 PM
Test:	Trace THC	Started:	9/10/2021
Method:	TM20 (HPLC-DAD)	Reported:	9/13/2021

TRACE THC/THCa PROFILE

Compound	Dynamic Range (%)	Result (%)	Result (mg/g)
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.001 - 0.674	0.124	1.24
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.002 - 1.348	ND**	ND**
Total Potential THC*		0.124	1.24

% = % (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)

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

NOTES:

N/A

FINAL APPROVAL

Sam Smith
13-Sep-2021
1:12 PMDaniel Weidensaul
13-Sep-2021
1:19 PM

PREPARED BY / DATE

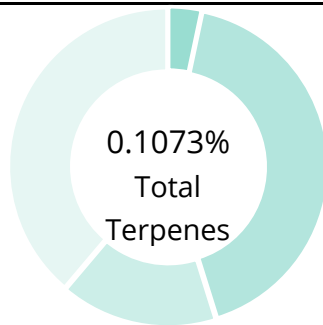
APPROVED BY / DATE

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NED-FSO-B033-750

Batch ID:	Full Spectrum Hemp Oil Batch 033 750mg	Test ID:	T000162037
Type:	Concentrate	Submitted:	09/08/2021 @ 12:03 PM
Test:	Terpenes	Started:	9/13/2021
Method:	TM22 (GC-MS)	Reported:	9/14/2021

TERPENE PROFILE



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	0.0034
beta-Caryophyllene	0.0429
alpha-Humulene	0.0164
(-)-alpha-Bisabolol	0.0398

Compound	%(w/w)	mg/g
(-)-alpha-Bisabolol	0.0398	0.398
Camphene	0.0000	0.000
delta-3-Carene	0.0000	0.000
beta-Caryophyllene	0.0429	0.429
(-)-Caryophyllene Oxide	0.0000	0.000
p-Cymene	0.0000	0.000
Eucalyptol	0.0000	0.000
Geraniol	0.0000	0.000
alpha-Humulene	0.0164	0.164
(-)-Isopulegol	0.0000	0.000
d-Limonene	0.0000	0.000
Linalool	0.0034	0.034
beta-Myrcene	0.0000	0.000
cis-Nerolidol	0.0000	0.000
trans-Nerolidol	0.0048	0.048
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
	0.1073	1.073

NOTES:

N/A

FINAL APPROVAL

 Daniel Weidensaul 14-Sep-2021 4:51 PM	 Ryan Weems 14-Sep-2021 4:52 PM
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PREPARED BY / DATE

APPROVED BY / DATE

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 A2LA Certificate Number 4329.02



Certificate #4329.02

Prepared for:

NED-FSO-B033-750
NED & CO. LLC

Batch ID or Lot Number:	Test:	Reported:	Location:
Full Spectrum Hemp Oil Batch 033	Residual Solvents	9/13/21	5345 Arapahoe Ave STE 4 BOULDER, CO 80303
Matrix:	Test ID:	Started:	USDA License:
N/A	T000162041	9/10/21	N/A
Status:	Methods:	Received:	Sampler ID:
N/A	TM04 (GC-MS): Residual Solvents	09/08/2021 @ 12:03 PM	N/A

RESIDUAL SOLVENTS DETERMINATION

Solvent	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	75 - 1495	*ND	
Butanes	144 - 2871	*ND	
(Isobutane, n-Butane)			
Methanol	53 - 1069	*ND	
Pentane	79 - 1581	*ND	
Ethanol	85 - 1703	*ND	
Acetone	87 - 1745	*ND	
Isopropyl Alcohol	91 - 1814	*ND	
Hexane	5 - 105	*ND	
Ethyl Acetate	83 - 1662	*ND	
Benzene	0 - 3	*ND	
Heptanes	84 - 1671	*ND	
Toluene	16 - 314	*ND	
Xylenes	113 - 2268	*ND	
(m,p,o-Xylenes)			


 Sam Smith
 13-Sep-21
 9:56 AM

PREPARED BY / DATE


 Ryan Weems
 13-Sep-21
 9:58 AM

APPROVED BY / DATE

Definitions

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

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Certificate #4329.02

Prepared for:

NED-FSO-B033-750**NED & CO. LLC**

Batch ID or Lot Number:	Test:	Reported:	Location:
Full Spectrum Hemp Oil	Pesticides	9/15/21	5345 Arapahoe Ave STE 4
Batch 033 750mg			BOULDER, CO 80303

Matrix:	Test ID:	Started:	USDA License:
Concentrate	T000162038	9/14/21	N/A

Status:	Method:	Received:	Sampler ID:
N/A	TM17(LC-QQQ LC MS/MS):	09/08/2021 @ 12:03 PM	N/A

PESTICIDE DETERMINATION

Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)
Acephate	43	ND	Fenoxycarb	43	ND	Paclobutrazol	43	ND
Acetamiprid	40	ND	Fipronil	48	ND	Permethrin	287	ND
Avermectin	283	ND	Flonicamid	39	ND	Phosmet	44	ND
Azoxystrobin	43	ND	Fludioxonil	296	ND	Prophos	283	ND
Bifenazate	45	ND	Hexythiazox	47	ND	Propoxur	40	ND
Boscalid	59	ND	Imazalil	256	ND	Pyridaben	285	ND
Carbaryl	39	ND	Imidacloprid	38	ND	Spinosad A	35	ND
Carbofuran	40	ND	Kresoxim-methyl	150	ND	Spinosad D	50	ND
Chlorantraniliprole	56	ND	Malathion	292	ND	Spiromesifen	231	ND
Chlorpyrifos	500	ND	Metalaxyl	42	ND	Spirotetramat	329	ND
Clofentezine	276	ND	Methiocarb	40	ND	Spiroxamine 1	17	ND
Diazinon	282	ND	Methomyl	42	ND	Spiroxamine 2	23	ND
Dichlorvos	254	ND	MGK 264 1	161	ND	Tebuconazole	286	ND
Dimethoate	41	ND	MGK 264 2	133	ND	Thiacloprid	42	ND
E-Fenpyroximate	236	ND	Myclobutanil	40	ND	Thiamethoxam	43	ND
Etofenprox	43	ND	Naled	40	ND	Trifloxystrobin	43	ND
Etoxazole	269	ND	Oxamyl	1500	ND			

 Sam Smith
9/15/2021
10:08:00 AM

PREPARED BY / DATE

 Alex Benson
9/15/2021
2:50:00 PM

APPROVED BY / DATE

Definitions

LOQ = Limit of Quantification
ppb = Parts per Billion

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Certificate #4329.02

NED-FSO-B033-750

Batch ID:	Full Spectrum Hemp Oil Batch 033 750mg	Test ID:	T000162039
Matrix:	Finished Product	Received:	09/08/2021 @ 12:03 PM
Test:	Microbial Contaminants	Started:	9/9/2021
Method:	TM25 (qPCR) TM24, TM26, TM27, TM28 (Culture Plating)	Reported:	9/12/2021

MICROBIAL CONTAMINANTS

Contaminant	Method	LOD	LLOQ	ULOQ	Result
Total Aerobic Count*	TM-26 Culture Plating	10 ² CFU/g	10 ³ CFU/g	1.5x10 ⁵ CFU/g	None Detected
Total Coliforms*	TM-27 Culture Plating	10 ¹ CFU/g	10 ² CFU/g	1.5x10 ⁴ CFU/g	None Detected
Total Yeast and Molds*	TM-24 Culture Plating	10 ¹ CFU/g	10 ² CFU/g	1.5x10 ⁴ CFU/g	None Detected
<i>E. coli</i>	TM-28 Culture Plating	1 CFU/g	NA	NA	Absent
<i>E. coli</i> (STEC)	TM-25 PCR	1 CFU/g	NA	NA	Absent
<i>Salmonella</i>	TM-25 PCR	1 CFU/g	NA	NA	Absent

* Values recorded in scientific notation, a common microbial practice of expressing numbers that are too large to be conveniently written in decimal form.

Examples: 10² = 100 CFU
10³ = 1,000 CFU
10⁴ = 10,000 CFU
10⁵ = 100,000 CFU

NOTES:

Free from visual mold, mildew, and foreign matter

DEFINITIONS:

CFU/g = Colony Forming Units per Gram.

LOD = Limit of Detection

ULOQ = Upper Limit of Quantitation

LLOQ = Lower Limit of Quantitation

FINAL APPROVAL



Brett Hudson
9/12/2021
11:19:00 AM



Sarah Henning
9/12/2021
1:42:00 PM

PREPARED BY / DATE

APPROVED BY / DATE

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Certificate #4329.03

Prepared for:

NED-DS-750-B001**NED & CO. LLC**

Batch ID or Lot Number: De-Stress Batch 001 Metals 750mg	Test: Metals	Reported: 9/17/21	Location: 5345 Arapahoe Ave STE 4 BOULDER, CO 80303
Matrix: Unit	Test ID: T000163810	Started: 9/16/21	USDA License: N/A
Status: N/A	Method: TM19 (ICP-MS): Heavy Metals	Received: 09/15/2021 @ 10:39 AM	Sampler ID: N/A

HEAVY METALS DETERMINATION

Compound	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.047 - 4.71	ND	
Cadmium	0.045 - 4.49	ND	
Mercury	0.045 - 4.47	ND	
Lead	0.047 - 4.67	ND	



Ryan Weems
17-Sep-21
12:02 PM

PREPARED BY / DATE



Sam Smith
17-Sep-21
12:36 PM

APPROVED BY / DATE

Definitions

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

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