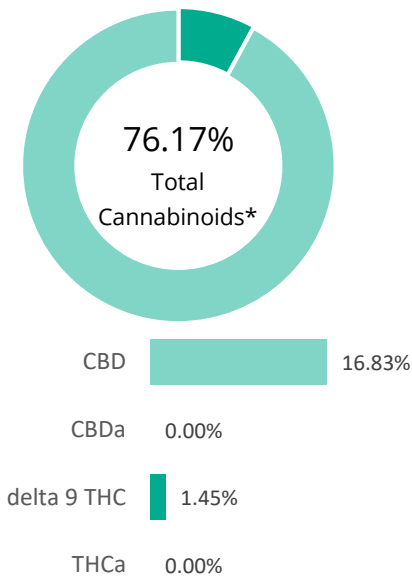


NED-HE-CBGWHITE-853

Batch ID:	Ned Hemp Extract CBG White Run 853	Test ID:	T000165694
Type:	Concentrate	Submitted:	09/24/2021 @ 11:13 AM
Test:	Potency	Started:	9/28/2021
Method:	TM14 (HPLC-DAD)	Reported:	9/29/2021

CANNABINOID PROFILE



Compound	LOQ (%)	Result (%)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.41	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.46	1.45	14.5
Cannabidiolic acid (CBDA)	0.53	ND	ND
Cannabidiol (CBD)	0.51	16.83	168.3
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.51	ND	ND
Cannabinolic Acid (CBNA)	0.29	ND	ND
Cannabinol (CBN)	0.13	ND	ND
Cannabigerolic acid (CBGA)	0.43	ND	ND
Cannabigerol (CBG)	0.10	55.90	559.0
Tetrahydrocannabivarinic Acid (THCVA)	0.36	ND	ND
Tetrahydrocannabivarin (THCV)	0.09	ND	ND
Cannabidivarinic Acid (CBDVA)	0.22	ND	ND
Cannabidivarin (CBDV)	0.12	ND	ND
Cannabichromenic Acid (CBCA)	0.16	ND	ND
Cannabichromene (CBC)	0.18	1.99	19.9
Total Cannabinoids		76.17	761.7
Total Potential THC**		1.45	14.5
Total Potential CBD**		16.83	168.3

NOTES:

N/A

% = % (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

 Hannah Wright 29-Sep-2021 2:09 PM	 Daniel Weidensaul 29-Sep-2021 2:18 PM
PREPARED BY / DATE	APPROVED BY / DATE

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of Botanacor Laboratories, LLC. ISO/IEC 17025:2005 Accredited A2LA Certificate Number 4329.02



Certificate #4329.02

NED-HE-CBGWHITE-853

Batch ID:	Ned Hemp Extract CBG White Run 853	Test ID:	T000165695
Type:	Concentrate	Submitted:	09/24/2021 @ 11:13 AM
Test:	Trace THC	Started:	10/1/2021
Method:	TM20 (HPLC-DAD)	Reported:	10/4/2021

TRACE THC/THCa PROFILE

Compound	Dynamic Range (%)	Result (%)	Result (mg/g)
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.001 - 0.714	ALOQ***	ALOQ***
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.002 - 1.429	ND**	ND**
Total Potential THC*		ALOQ***	ALOQ***

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

Daniel Weidensaul
4-Oct-2021
4:34 PMRvan Weems
4-Oct-2021
4:36 PM

PREPARED BY / DATE

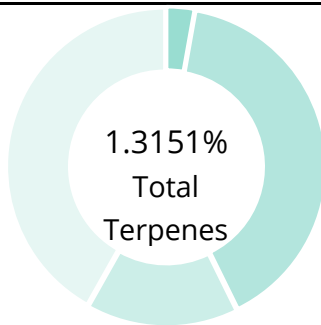
APPROVED BY / DATE

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NED-HE-CBGWHITE-853

Batch ID:	Ned Hemp Extract CBG White Run 853	Test ID:	T000165696
Type:	Concentrate	Submitted:	09/24/2021 @ 11:13 AM
Test:	Terpenes	Started:	9/24/2021
Method:	TM22 (GC-MS)	Reported:	9/29/2021

TERPENE PROFILE



Compound	%(w/w)	mg/g
(-)-alpha-Bisabolol	0.5289	5.289
Camphene	0.0000	0.000
delta-3-Carene	0.0000	0.000
beta-Caryophyllene	0.5046	5.046
(-)-Caryophyllene Oxide	0.0000	0.000
p-Cymene	0.0000	0.000
Eucalyptol	0.0000	0.000
Geraniol	0.0000	0.000
alpha-Humulene	0.1952	1.952
(-)-Isopulegol	0.0000	0.000
d-Limonene	0.0000	0.000
Linalool	0.0355	0.355
beta-Myrcene	0.0000	0.000
cis-Nerolidol	0.0000	0.000
trans-Nerolidol	0.0509	0.509
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
	1.3151	13.151

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	0.0355
beta-Caryophyllene	0.5046
alpha-Humulene	0.1952
(-)-alpha-Bisabolol	0.5289

NOTES:

N/A

FINAL APPROVAL



 Daniel Weidensaul
 29-Sep-2021
 2:45 PM



 Ryan Weems
 29-Sep-2021
 2:47 PM

PREPARED BY / DATE

APPROVED BY / DATE

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A2LA Certificate Number 4329.02



Certificate #4329.02

Prepared for:

NED-HE-CBGWHITE-853
NED & CO. LLC


Batch ID or Lot Number: Ned Hemp Extract CBG White Run 853	Test: Residual Solvents	Reported: 9/29/21	Location: 5345 Arapahoe Ave STE 4 BOULDER, CO 80303
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Matrix: N/A	Test ID: T000165700	Started: 9/29/21	USDA License: N/A
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Status: N/A	Methods: TM04 (GC-MS): Residual Solvents	Received: 09/24/2021 @ 11:13 AM	Sampler ID: N/A
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RESIDUAL SOLVENTS DETERMINATION

Solvent	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	77 - 1543	*ND	
Butanes (Isobutane, n-Butane)	155 - 3104	*ND	
Methanol	56 - 1122	*ND	
Pentane	81 - 1628	*ND	
Ethanol	87 - 1738	1588	
Acetone	88 - 1766	*ND	
Isopropyl Alcohol	96 - 1919	*ND	
Hexane	5 - 109	*ND	
Ethyl Acetate	90 - 1798	292	
Benzene	0 - 4	*ND	
Heptanes	85 - 1707	*ND	
Toluene	16 - 324	*ND	
Xylenes (m,p,o-Xylenes)	117 - 2350	*ND	


 Daniel Weidensaul
 29-Sep-21
 7:33 PM


 Ryan Weems
 29-Sep-21
 7:35 PM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

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

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Certificate #4329.02

Prepared for:

NED-HE-CBGWHITE-853
NED & CO. LLC


Batch ID or Lot Number: Ned Hemp Extract CBG White Run 853	Test: Pesticides	Reported: 9/29/21	Location: 5345 Arapahoe Ave STE 4 BOULDER, CO 80303
--	----------------------------	-----------------------------	---


Matrix: Concentrate	Test ID: t000165697	Started: 9/28/21	USDA License: N/A
------------------------	------------------------	---------------------	----------------------

Status: N/A	Method: TM17(LC-QQQ LC MS/MS):	Received: 09/24/2021 @ 11:13 AM	Sampler ID: N/A
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PESTICIDE DETERMINATION

Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)
Acephate	41	ND	Fenoxycarb	42	ND	Paclobutrazol	42	ND
Acetamiprid	40	ND	Fipronil	33	ND	Permethrin	287	ND
Avermectin	316	ND	Flonicamid	51	ND	Phosmet	43	ND
Azoxystrobin	43	ND	Fludioxonil	295	ND	Prophos	293	ND
Bifenazate	46	ND	Hexythiazox	47	ND	Propoxur	41	ND
Boscalid	54	ND	Imazalil	284	ND	Pyridaben	298	ND
Carbaryl	39	ND	Imidacloprid	42	ND	Spinosad A	35	ND
Carbofuran	41	ND	Kresoxim-methyl	150	ND	Spinosad D	54	ND
Chlorantraniliprole	53	ND	Malathion	299	ND	Spiromesifen	272	ND
Chlorpyrifos	500	ND	Metalaxyl	43	ND	Spirotetramat	305	ND
Clofentezine	285	ND	Methiocarb	42	ND	Spiroxamine 1	18	ND
Diazinon	290	ND	Methomyl	44	ND	Spiroxamine 2	24	ND
Dichlorvos	290	ND	MGK 264 1	160	ND	Tebuconazole	290	ND
Dimethoate	42	ND	MGK 264 2	136	ND	Thiacloprid	41	ND
E-Fenpyroximate	317	ND	Myclobutanil	40	ND	Thiamethoxam	43	ND
Etofenprox	44	ND	Naled	44	ND	Trifloxystrobin	43	ND
Etoazole	307	ND	Oxamyl	1500	ND			


 Sam Smith
 9/29/2021
 5:13:00 PM


 Courtney Richards
 9/29/2021
 7:12:00 PM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

LOQ = Limit of Quantification

ppb = Parts per Billion

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Certificate #4329.02

NED-HE-CBGWHITE-853

Batch ID:	Ned Hemp Extract CBG White Run 853	Test ID:	T000165698
Matrix:	Concentrate	Received:	09/24/2021 @ 11:13 AM
Test:	Microbial Contaminants	Started:	9/27/2021
Method:	TM25 (qPCR) TM24, TM26, TM27, TM28 (Culture Plating)	Reported:	9/30/2021

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
E. coli	TM-28 Culture Plating	1 CFU/g	NA	NA	Absent
E. coli (STEC)	TM-25 PCR	1 CFU/g	NA	NA	Absent
Salmonella	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


 Jackson Osaghae-Nosa
 9/30/2021
 9:18:00 AM

PREPARED BY / DATE


 Sarah Henning
 9/30/2021
 2:55:00 PM

APPROVED BY / DATE

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Certificate #4329.03


Prepared for:

NED-HE-CBGWHITE-853
NED & CO. LLC


Batch ID or Lot Number: Ned Hemp Extract CBG White Run 853	Test: Metals	Reported: 10/6/21	Location: 5345 Arapahoe Ave STE 4 BOULDER, CO 80303
Matrix: Concentrate	Test ID: T000165699	Started: 10/6/21	USDA License: N/A
Status: N/A	Method: TM19 (ICP-MS); Heavy Metals	Received: 09/24/2021 @ 11:13 AM	Sampler ID: N/A

HEAVY METALS DETERMINATION

Compound	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.045 - 4.47	ND	
Cadmium	0.047 - 4.69	ND	
Mercury	0.045 - 4.51	ND	
Lead	0.048 - 4.85	ND	


 Sam Smith
 6-Oct-21
 3:22 PM

PREPARED BY / DATE


 Ryan Weems
 6-Oct-21
 3:25 PM

APPROVED BY / DATE

Definitions

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

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