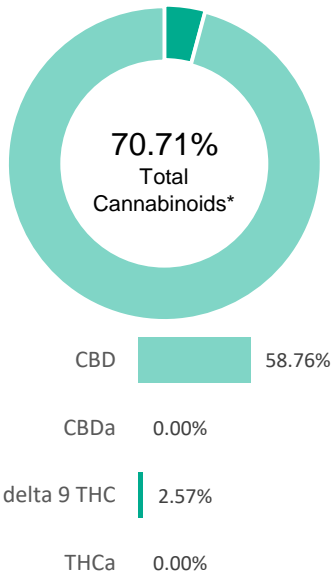


**HE-EK2R852**

<b>Batch ID:</b>	NED-01042021	<b>Test ID:</b>	T000118045
<b>Type:</b>	Concentrate	<b>Submitted:</b>	01/07/2021 @ 11:47 AM
<b>Test:</b>	Potency	<b>Started:</b>	1/11/2021
<b>Method:</b>	TM14	<b>Reported:</b>	1/12/2021

**CANNABINOID PROFILE**


Compound	LOQ (%)	Result (%)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.09	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.10	2.57	25.7
Cannabidiolic acid (CBDA)	0.16	ND	ND
Cannabidiol (CBD)	0.15	58.76	587.6
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.11	ND	ND
Cannabinolic Acid (CBNA)	0.06	ND	ND
Cannabinol (CBN)	0.03	ND	ND
Cannabigerolic acid (CBGA)	0.09	ND	ND
Cannabigerol (CBG)	0.02	6.59	65.9
Tetrahydrocannabivarinic Acid (THCVA)	0.08	ND	ND
Tetrahydrocannabivarin (THCV)	0.02	ND	ND
Cannabidivarinic Acid (CBDVA)	0.07	ND	ND
Cannabidivarin (CBDV)	0.04	0.23	2.3
Cannabichromenic Acid (CBCA)	0.04	ND	ND
Cannabichromene (CBC)	0.04	2.56	25.6
<b>Total Cannabinoids</b>		<b>70.71</b>	<b>707.1</b>
<b>Total Potential THC**</b>		<b>2.57</b>	<b>25.7</b>
<b>Total Potential CBD**</b>		<b>58.76</b>	<b>587.6</b>

**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.

Total THC = THC + (THCa \*(0.877)) and

Total CBD = CBD + (CBDA \*(0.877))

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

**FINAL APPROVAL**

 Daniel Weidensaul 12-Jan-2021 1:33 PM	 Ben Minton 12-Jan-2021 6:51 PM
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PREPARED BY / DATE

APPROVED BY / DATE

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HE-EK2R852

<b>Batch ID:</b>	NED-01042021	<b>Test ID:</b>	T000118046
<b>Type:</b>	Other	<b>Submitted:</b>	01/07/2021 @ 11:47 AM
<b>Test:</b>	Trace THC	<b>Started:</b>	1/7/2021
<b>Method:</b>	TM20	<b>Reported:</b>	1/11/2021

## TRACE THC/THCa PROFILE

Compound	Dynamic Range (%)	Result (%)	Result (mg/g)
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.001 - 0.679	ALOQ***	ALOQ***
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.002 - 1.359	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

Tyler Wiese  
11-Jan-2021  
3:17 PMBen Minton  
11-Jan-2021  
3:49 PM

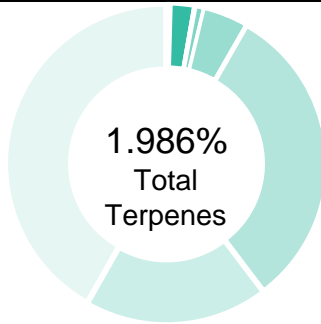
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**HE-EK2R852**

<b>Batch ID:</b>	NED-01042021	<b>Test ID:</b>	T000118049
<b>Type:</b>	Concentrate	<b>Submitted:</b>	01/07/2021 @ 11:47 AM
<b>Test:</b>	Terpenes	<b>Started:</b>	1/13/2021
<b>Method:</b>	TM22	<b>Reported:</b>	1/14/2021

**TERPENE PROFILE**



Compound	%(w/w)	mg/g
(-)-alpha-Bisabolol	0.771	7.71
Camphene	0.000	0
delta-3-Carene	0.000	0
beta-Caryophyllene	0.579	5.79
(-)-Caryophyllene Oxide	0.043	0.43
p-Cymene	0.000	0
Eucalyptol	0.000	0
Geraniol	0.000	0
alpha-Humulene	0.342	3.42
(-)-Isopulegol	0.000	0
d-Limonene	0.015	0.15
Linalool	0.084	0.84
beta-Myrcene	0.043	0.43
cis-Nerolidol	0.000	0
trans-Nerolidol	0.084	0.84
Ocimene	0.001	0.01
beta-Ocimene	0.008	0.08
alpha-Pinene	0.005	0.05
(-)-beta-Pinene	0.003	0.03
alpha-Terpinene	0.003	0.03
gamma-Terpinene	0.003	0.03
Terpinolene	0.002	0.02
	<b>1.986%</b>	<b>19.86</b>

**PREDOMINANT TERPENES**

alpha-Pinene	0.005%
(-)-beta-Pinene	0.003%
beta-Myrcene	0.043%
delta-3-Carene	0.000%
alpha-Terpinene	0.003%
d-Limonene	0.015%
Linalool	0.084%
beta-Caryophyllene	0.579%
alpha-Humulene	0.342%
(-)-alpha-Bisabolol	0.771%

 NOTES:  
 0

**FINAL APPROVAL**

 Ryan Weems 14-Jan-2021 5:59 PM	 Ben Minton 14-Jan-2021 6:02 PM
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Certificate #4329.02

HE-EK2R852

<b>Batch ID:</b>	NED-01042021	<b>Test ID:</b>	T000118047
<b>Type:</b>	Concentrate	<b>Submitted:</b>	01/07/2021 @ 11:47 AM
<b>Test:</b>	Residual Solvents	<b>Started:</b>	1/12/2021
<b>Method:</b>	TM04	<b>Reported:</b>	1/12/2021

## RESIDUAL SOLVENTS

Solvent	Dynamic Range (ppm)	Result (ppm)
Propane	122 - 2435	*ND
Butanes (Isobutane, n-Butane)	226 - 4516	*ND
Methanol	61 - 1222	*ND
Pentane	108 - 2162	*ND
Ethanol	106 - 2129	>2129
Acetone	101 - 2026	*ND
Isopropyl Alcohol	106 - 2121	*ND
Hexane	6 - 125	*ND
Ethyl Acetate	101 - 2017	942
Benzene	0.2 - 3.8	*ND
Heptanes	102 - 2034	*ND
Toluene	18 - 361	*ND
Xylenes (m,p,o-Xylenes)	132 - 2645	*ND

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

NOTES:  
N/A

## FINAL APPROVAL

Daniel Weidensaul  
12-Jan-2021  
2:41 PMGreg Zimpfer  
12-Jan-2021  
4:56 PM

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Certificate #4329.02

**HE-EK2R852**


<b>Batch ID:</b>	NED-01042021	<b>Test ID:</b>	T000118050
<b>Type:</b>	Concentrate	<b>Submitted:</b>	01/07/2021 @ 11:47 AM
<b>Test:</b>	Pesticides	<b>Started:</b>	1/7/2021
<b>Method:</b>	TM17	<b>Reported:</b>	1/8/2021


**PESTICIDE RESIDUE**

Compound	Dynamic Range (ppb)	Result (ppb)	Compound	Dynamic Range (ppb)	Result (ppb)
Acephate	47 - 2436	ND*	Malathion	287 - 2436	ND*
Acetamiprid	40 - 2436	ND*	Metalaxyl	38 - 2436	ND*
Abamectin	>315	ND*	Methiocarb	46 - 2436	ND*
Azoxystrobin	41 - 2436	ND*	Methomyl	48 - 2436	ND*
Bifenazate	37 - 2436	ND*	MGK 264 1	168 - 2436	ND*
Boscalid	40 - 2436	ND*	MGK 264 2	115 - 2436	ND*
Carbaryl	43 - 2436	ND*	Myclobutanil	42 - 2436	ND*
Carbofuran	42 - 2436	ND*	Naled	48 - 2436	ND*
Chlorantraniliprole	51 - 2436	ND*	Oxamyl	47 - 2436	ND*
Chlorpyrifos	44 - 2436	ND*	Paclobutrazol	45 - 2436	ND*
Clofentezine	285 - 2436	ND*	Permethrin	254 - 2436	ND*
Diazinon	279 - 2436	ND*	Phosmet	43 - 2436	ND*
Dichlorvos	>290	ND*	Prophos	275 - 2436	ND*
Dimethoate	43 - 2436	ND*	Propoxur	43 - 2436	ND*
E-Fenpyroximate	273 - 2436	ND*	Pyridaben	266 - 2436	ND*
Etofenprox	40 - 2436	ND*	Spinosad A	31 - 2436	ND*
Etoxazole	276 - 2436	ND*	Spinosad D	78 - 2436	ND*
Fenoxycarb	>38	ND*	Spiromesifen	>272	ND*
Fipronil	76 - 2436	ND*	Spirotetramat	>270	ND*
Flonicamid	31 - 2436	ND*	Spiroxamine 1	20 - 2436	ND*
Fludioxonil	>328	ND*	Spiroxamine 2	26 - 2436	ND*
Hexythiazox	42 - 2436	ND*	Tebuconazole	264 - 2436	ND*
Imazalil	262 - 2436	ND*	Thiacloprid	45 - 2436	ND*
Imidacloprid	41 - 2436	ND*	Thiamethoxam	51 - 2436	ND*
Kresoxim-methyl	49 - 2436	ND*	Trifloxystrobin	42 - 2436	ND*

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

N/A

**FINAL APPROVAL**

**Sam Smith**  
 8-Jan-2021  
 10:25 AM


**Ben Minton**  
 8-Jan-2021  
 12:26 PM

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HE-EK2R852

<b>Batch ID:</b>	NED-01042021	<b>Test ID:</b>	T000118048
<b>Type:</b>	Concentrate	<b>Submitted:</b>	01/07/2021 @ 11:47 AM
<b>Test:</b>	Microbial Contaminants	<b>Started:</b>	1/8/2021
<b>Method:</b>	TM24, TM25, TM26, TM27, TM28	<b>Reported:</b>	1/11/2021

## MICROBIAL CONTAMINANTS

Contaminant	Result (CFU/g)*
<b>Total Aerobic Count**</b>	None Detected
<b>Total Coliforms**</b>	None Detected
<b>Total Yeast and Molds**</b>	None Detected
<b>E. coli</b>	Absent
<b>E. coli (STEC)</b>	None Detected
<b>Salmonella</b>	None Detected

\* 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

  
Tori King  
11-Jan-2021  
4:10 PM  
Greg Zimpfer  
11-Jan-2021  
4:59 PM

PREPARED BY / DATE

APPROVED BY / DATE

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Certificate #4329.03

HE-EK2R852

<b>Batch ID:</b>	NED-01042021	<b>Test ID:</b>	T000118051
<b>Type:</b>	Other	<b>Submitted:</b>	01/07/2021 @ 11:47 AM
<b>Test:</b>	Metals	<b>Started:</b>	1/12/2021
<b>Method:</b>	TM19	<b>Reported:</b>	1/13/2021

## HEAVY METALS

Analyte	Dynamic Range (ppm)	Result (ppm)
Arsenic	0.068 - 6.78	ND
Cadmium	0.068 - 6.83	ND
Mercury	0.070 - 7.01	ND
Lead	0.069 - 6.87	ND

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

## FINAL APPROVAL

Daniel Weidensaul  
13-Jan-2021  
9:37 AMGreg Zimpfer  
13-Jan-2021  
1:29 PM

PREPARED BY / DATE

APPROVED BY / DATE

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