



**K N D L A B S**

## Certificate of Analysis Documents

**Product: Crystalline CBD Isolate**

Lot: KND

Batch: 354

**Contents:**

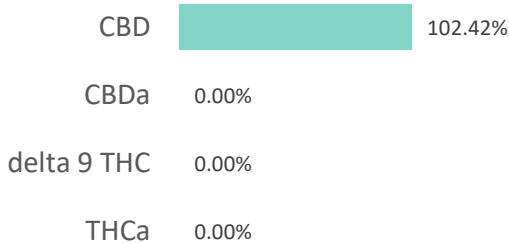
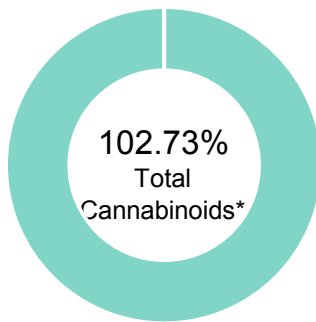
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**Know your CBD Source. Buy Direct from the Manufacturer.**

**Crystalline CBD Isolate**

<b>Batch ID:</b>	KND 353	<b>Test ID:</b>	4553770.0060
<b>Reported:</b>	27-Apr-2020	<b>Method:</b>	TM14
<b>Type:</b>	Concentrate		
<b>Test:</b>	Potency		


**CANNABINOID PROFILE**


Compound	LOQ (%)	Result (%)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.28	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.14	ND	ND
Cannabidiolic acid (CBDA)	0.27	ND	ND
Cannabidiol (CBD)	0.15	102.42	1024.2
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.15	ND	ND
Cannabinolic Acid (CBNA)	0.39	ND	ND
Cannabinol (CBN)	0.17	ND	ND
Cannabigerolic acid (CBGA)	0.25	ND	ND
Cannabigerol (CBG)	0.14	ND	ND
Tetrahydrocannabivarinic Acid (THCVA)	0.24	ND	ND
Tetrahydrocannabivarin (THCV)	0.13	ND	ND
Cannabidivarinic Acid (CBDVA)	0.25	ND	ND
Cannabidivarin (CBDV)	0.14	0.31	3.1
Cannabichromenic Acid (CBCA)	0.21	ND	ND
Cannabichromene (CBC)	0.26	ND	ND
<b>Total Cannabinoids</b>		<b>102.73</b>	<b>1027.30</b>
Total Potential THC**		ND	ND
Total Potential CBD**		102.42	1024.20

% = % (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:  
N/A

**FINAL APPROVAL**

  
**Ryan Weems**  
 27-Apr-2020  
 2:04 PM

  
**Greg Zimpfer**  
 27-Apr-2020  
 5:38 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



**Crystalline CBD Isolate**

<b>Batch ID:</b>	KND 353	<b>Test ID:</b>	1074674.007
<b>Reported:</b>	27-Apr-2020	<b>Method:</b>	TM10
<b>Type:</b>	Concentrate		
<b>Test:</b>	Terpenes		

**TERPENE PROFILE**

0.000%  
Total  
Terpenes



Compound	%(w/w)	mg/g
(-)-alpha-Bisabolol	0.000	0
Camphene	N/A	N/A
delta-3-Carene	0.000	0
beta-Caryophyllene	0.000	0
(-)-Caryophyllene Oxide	0.000	0
p-Cymene	0.000	0
Eucalyptol	0.000	0
Geraniol	0.000	0
alpha-Humulene	0.000	0
(-)-Isopulegol	0.000	0
d-Limonene	0.000	0
Linalool	0.000	0
beta-Myrcene	0.000	0
cis-Nerolidol	0.000	0
trans-Nerolidol	0.000	0
Ocimene	0.000	0
beta-Ocimene	0.000	0
alpha-Pinene	0.000	0
(-)-beta-Pinene	0.000	0
alpha-Terpinene	0.000	0
gamma-Terpinene	0.000	0
Terpinolene	0.000	0
	<b>0.000%</b>	<b>0.00</b>

**PREDOMINANT TERPENES**

alpha-Pinene	0.000%
(-)-beta-Pinene	0.000%
beta-Myrcene	0.000%
delta-3-Carene	0.000%
alpha-Terpinene	0.000%
d-Limonene	0.000%
Linalool	0.000%
beta-Caryophyllene	0.000%
alpha-Humulene	0.000%
(-)-alpha-Bisabolol	0.000%

 NOTES:  
 0

**FINAL APPROVAL**

 Michelle Gagnon 27-Apr-2020 1:33 PM	 Greg Zimpfer 27-Apr-2020 8:34 PM
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APPROVED BY / DATE

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Certificate #4329.02

**Crystalline CBD Isolate**

<b>Batch ID:</b>	KND 353	<b>Test ID:</b>	3438932.006
<b>Reported:</b>	27-Apr-2020	<b>Method:</b>	TM17
<b>Type:</b>	Concentrate		
<b>Test:</b>	Pesticides		


**PESTICIDE RESIDUE**


Compound	Dynamic Range (ppb)	Result (ppb)	Compound	Dynamic Range (ppb)	Result (ppb)
Acephate	53 - 2467	ND*	Malathion	320 - 2467	ND*
Acetamiprid	53 - 2467	ND*	Metalaxyl	53 - 2467	ND*
Abamectin	>320	ND*	Methiocarb	53 - 2467	ND*
Azoxystrobin	53 - 2467	ND*	Methomyl	53 - 2467	ND*
Bifenazate	53 - 2467	ND*	MGK 264 1	320 - 2467	ND*
Boscalid	53 - 2467	ND*	MGK 264 2	320 - 2467	ND*
Carbaryl	53 - 2467	ND*	Myclobutanil	53 - 2467	ND*
Carbofuran	53 - 2467	ND*	Naled	53 - 2467	ND*
Chlorantraniliprole	53 - 2467	ND*	Oxamyl	53 - 2467	ND*
Chlorpyrifos	53 - 2467	ND*	Paclobutrazol	53 - 2467	ND*
Clofentezine	320 - 2467	ND*	Permethrin	320 - 2467	ND*
Diazinon	320 - 2467	ND*	Phosmet	53 - 2467	ND*
Dichlorvos	>320	ND*	Prophos	320 - 2467	ND*
Dimethoate	53 - 2467	ND*	Propoxur	53 - 2467	ND*
E-Fenpyroximate	53 - 2467	ND*	Pyridaben	53 - 2467	ND*
Etofenprox	53 - 2467	ND*	Spinosad A	53 - 2467	ND*
Etoxazole	320 - 2467	ND*	Spinosad D	320 - 2467	ND*
Fenoxycarb	>53	ND*	Spiromesifen	>320	ND*
Fipronil	53 - 2467	ND*	Spirotetramat	>320	ND*
Flonicamid	53 - 2467	ND*	Spiroxamine 1	53 - 2467	ND*
Fludioxonil	>320	ND*	Spiroxamine 2	53 - 2467	ND*
Hexythiazox	53 - 2467	ND*	Tebuconazole	320 - 2467	ND*
Imazalil	320 - 2467	ND*	Thiacloprid	53 - 2467	ND*
Imidacloprid	53 - 2467	ND*	Thiamethoxam	53 - 2467	ND*
Kresoxim-methyl	53 - 2467	ND*	Trifloxystrobin	53 - 2467	ND*

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

N/A

**FINAL APPROVAL**

  
 Tyler Wiese  
 27-Apr-2020  
 9:17 PM  
 PREPARED BY / DATE

  
 Greg Zimpfer  
 27-Apr-2020  
 10:07 PM  
 APPROVED BY / DATE

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**Crystalline CBD Isolate**

<b>Batch ID:</b>	KND 353	<b>Test ID:</b>	T000072742
<b>Reported:</b>	30-Apr-2020	<b>Method:</b>	Concentrate - Test Methods: TM05, TM06
<b>Type:</b>	Concentrate		
<b>Test:</b>	Microbial Contaminants		

**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>	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**  
Mara Miller  
30-Apr-2020  
3:14 PM  
Ben Minton  
30-Apr-2020  
3:45 PM

PREPARED BY / DATE

APPROVED BY / DATE

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Certificate #4329.03


**Crystalline CBD Isolate**

<b>Batch ID:</b>	KND 353	<b>Test ID:</b>	T000072745
<b>Reported:</b>	28-Apr-2020	<b>Method:</b>	TM19
<b>Type:</b>	Concentrate		
<b>Test:</b>	Metals		

**HEAVY METALS**

Analyte	Dynamic Range (ppm)	Result (ppm)
Arsenic	0.061 - 6.08	ND
Cadmium	0.065 - 6.47	ND
Mercury	0.037 - 3.71	ND
Lead	0.061 - 6.15	ND

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

**FINAL APPROVAL**

Alex Benson  
28-Apr-2020  
10:08 AM

PREPARED BY / DATE



Greg Zimpfer  
28-Apr-2020  
2:00 PM

APPROVED BY / DATE

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**Crystalline CBD Isolate**

<b>Batch ID:</b>	KND 353	<b>Test ID:</b>	T000072741
<b>Reported:</b>	28-Apr-2020	<b>Method:</b>	TM04
<b>Type:</b>	Concentrate		
<b>Test:</b>	Residual Solvents		

**RESIDUAL SOLVENTS**


Solvent	Dynamic Range (ppm)	Result (ppm)
Propane	72 - 1447	*ND
Butanes (Isobutane, n-Butane)	149 - 2978	*ND
Methanol	64 - 1279	*ND
Pentane	90 - 1797	200
Ethanol	97 - 1934	*ND
Acetone	103 - 2054	*ND
Isopropyl Alcohol	109 - 2173	*ND
Hexane	6 - 123	*ND
Ethyl Acetate	105 - 2101	*ND
Benzene	0.2 - 4.2	*ND
Heptanes	98 - 1960	*ND
Toluene	19 - 384	*ND
Xylenes (m,p,o-Xylenes)	141 - 2816	*ND

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

NOTES:  
N/A**FINAL APPROVAL**

Ryan Weems  
28-Apr-2020  
2:34 PM

PREPARED BY / DATE



Ben Minton  
28-Apr-2020  
2:51 PM

APPROVED BY / DATE

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Form 1014 Rev 04/19

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SALEM, OR 97301-2532  
(503) 986-4550

**POST IN A CONSPICUOUS PLACE**

GOLD COAST RANCH II LLC  
MIKE BELLANCA  
500 MARTIN RD  
CAVE JUNCTION OR 97523

**BUSINESS LOCATION**

GOLD COAST RANCH II LLC  
500 MARTIN RD  
CAVE JUNCTION OR 97523

<b><u>LICENSE NUMBER</u></b>	<b><u>DATE ISSUED</u></b>	<b><u>DATE EXPIRES</u></b>	<b><u>LICENSE</u></b>
AG-R1062955AHS	08/13/2019	12/31/2019	Agricultural Hemp Seed Registration
AG-R1062951IHG	08/13/2019	12/31/2019	Industrial Hemp Grower Registration

Printed: 08/14/2019