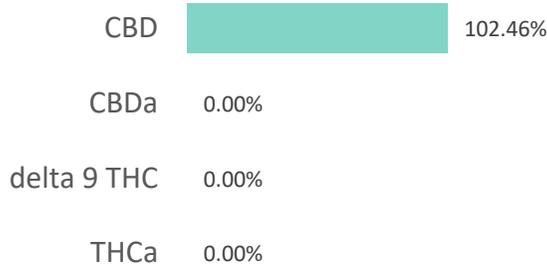
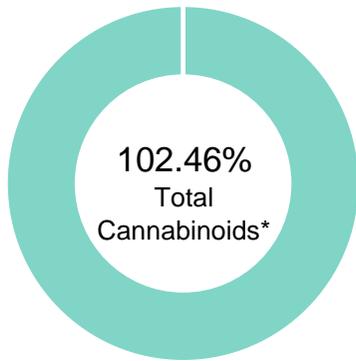


CRYSTALLINE CBD ISOLATE

Batch ID:	KND 352	Test ID:	4449674.0036
Reported:	20-Feb-2020	Method:	TM14
Type:	Concentrate		
Test:	Potency		

CANNABINOID PROFILE


Compound	LOQ (%)	Result (%)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.49	0.00	0.0
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.25	0.00	0.0
Cannabidiolic acid (CBDA)	0.37	0.00	0.0
Cannabidiol (CBD)	0.21	102.46	1024.6
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.27	0.00	0.0
Cannabinolic Acid (CBNA)	0.68	0.00	0.0
Cannabinol (CBN)	0.30	0.00	0.0
Cannabigerolic acid (CBGA)	0.43	0.00	0.0
Cannabigerol (CBG)	0.24	0.00	0.0
Tetrahydrocannabivarinic Acid (THCVA)	0.42	0.00	0.0
Tetrahydrocannabivarin (THCV)	0.22	0.00	0.0
Cannabidivarinic Acid (CBDVA)	0.34	0.00	0.0
Cannabidivarin (CBDV)	0.19	0.00	0.0
Cannabichromenic Acid (CBCA)	0.37	0.00	0.0
Cannabichromene (CBC)	0.45	0.00	0.0
Total Cannabinoids		102.46	1024.60
Total Potential THC**		0.00	0.00
Total Potential CBD**		102.46	1024.60

 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.

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

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

 Tyler Wiese
 20-Feb-2020
 11:38 AM


 Greg Zimpfer
 20-Feb-2020
 3:56 PM

PREPARED BY / DATE

APPROVED BY / DATE

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Certificate #4329.02

CRYSTALLINE CBD ISOLATE

Batch ID:	KND 352	Test ID:	8283765.0068
Reported:	20-Feb-2020	Method:	TM17
Type:	Concentrate		
Test:	Pesticides		

PESTICIDE RESIDUE

Compound	Dynamic Range (ppb)	Result (ppb)	Compound	Dynamic Range (ppb)	Result (ppb)
Acephate	54 - 2501	ND*	Malathion	54 - 2501	ND*
Acetamiprid	54 - 2501	ND*	Metalaxyl	324 - 2501	ND*
Avermectin	324 - 2501	ND*	Methiocarb	54 - 2501	ND*
Azoxystrobin	54 - 2501	ND*	Methomyl	54 - 2501	ND*
Bifenazate	54 - 2501	NA	MGK 264 1	54 - 2501	ND*
Boscalid	324 - 2501	ND*	MGK 264 2	324 - 2501	ND*
Carbaryl	54 - 2501	ND*	Myclobutanil	324 - 2501	ND*
Carbofuran	54 - 2501	ND*	Naled	324 - 2501	ND*
Chlorantraniliprole	54 - 2501	ND*	Oxamyl	54 - 2501	ND*
Chlorpyrifos	324 - 2501	ND*	Paclobutrazol	54 - 2501	ND*
Clofentezine	54 - 2501	ND*	Permethrin	324 - 2501	ND*
Diazinon	54 - 2501	ND*	Phosmet	54 - 2501	ND*
Dichlorvos	324 - 2501	ND*	Prophos	324 - 2501	ND*
Dimethoate	54 - 2501	ND*	Propoxur	324 - 2501	ND*
E-Fenpyroximate	324 - 2501	ND*	Pyridaben	324 - 2501	ND*
Etofenprox	324 - 2501	ND*	Spinosad A	54 - 2501	ND*
Etoxazole	324 - 2501	ND*	Spinosad D	324 - 2501	ND*
Fenoxycarb	54 - 2501	ND*	Spiromesifen	54 - 2501	ND*
Fipronil	324 - 2501	ND*	Spirotetramat	324 - 2501	ND*
Flonicamid	54 - 2501	ND*	Spiroxamine 1	54 - 2501	ND*
Fludioxonil	324 - 2501	ND*	Spiroxamine 2	54 - 2501	ND*
Hexythiazox	324 - 2501	ND*	Tebuconazole	54 - 2501	ND*
Imazalil	324 - 2501	ND*	Thiacloprid	54 - 2501	ND*
Imidacloprid	54 - 2501	ND*	Thiamethoxam	54 - 2501	ND*
Kresoxim-methyl	54 - 2501	ND*	Trifloxystrobin	324 - 2501	ND*

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

N/A

FINAL APPROVAL


Sam Smith
 20-Feb-2020
 6:31 AM
 PREPARED BY / DATE


Greg Zimpfer
 20-Feb-2020
 5:49 PM
 APPROVED BY / DATE

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CRYSTALLINE CBD ISOLATE

Batch ID:	KND 352	Test ID:	T000061499
Reported:	28-Feb-2020	Method:	Arsenic = Arsenic EPA 6020A (mod), Cadmium = Cadmium EPA 6020A (mod), Lead = Lead EPA 6020A (mod), Mercury = Mercury EPA 6020A (mod)
Type:	Other		
Test:	Metals		

HEAVY METALS

Compound	Reporting Limit (ppm)	Result (ppm)
Arsenic	0.05	<0.05
Cadmium	0.05	<0.05
Lead	0.05	<0.05
Mercury	0.05	<0.05

FINAL APPROVAL

Sam Smith
28-Feb-2020
6:12 AM

PREPARED BY / DATE

Greg Zimpfer
28-Feb-2020
9:53 AM

APPROVED BY / DATE

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CRYSTALLINE CBD ISOLATE

Batch ID:	KND 352	Test ID:	T000061496
Reported:	21-Feb-2020	Method:	MIP - Test Methods: TM05, TM06
Type:	MIP		
Test:	Microbial Contaminants		

MICROBIAL CONTAMINANTS

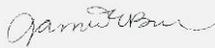
Contaminant	Result (CFU/g)*
Total Aerobic Count**	None Detected
Total Coliforms**	None Detected
Total Yeast and Molds**	None Detected
E. coli	None Detected
Salmonella	None Detected

* 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**
Jamie Bunker
21-Feb-2020
2:42 PM
Greg Zimpfer
21-Feb-2020
3:23 PM

PREPARED BY / DATE

APPROVED BY / DATE

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Certificate #4329.03

CRYSTALLINE CBD ISOLATE

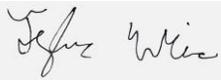
Batch ID:	KND 352	Test ID:	8871671.021
Reported:	19-Feb-2020	Method:	TM04
Type:	Concentrate		
Test:	Residual Solvents		

RESIDUAL SOLVENTS

Solvent	Reportable Range (ppm)	Result (ppm)
Propane	100 - 2000	0
Butanes (Isobutane, n-Butane)	100 - 2000	0
Pentane	100 - 2000	180
Ethanol	100 - 2000	0
Acetone	100 - 2000	0
Isopropyl Alcohol	100 - 2000	0
Hexane	6 - 120	0
Benzene	0.2 - 4	0.0
Heptanes	100 - 2000	0
Toluene	18 - 360	0
Xylenes (m,p,o-Xylenes)	43 - 860	0

NOTES:

Free from visual mold, mildew, and foreign matter.

FINAL APPROVALTyler Wiese
18-Feb-2020
8:07 PMGreg Zimpfer
19-Feb-2020
9:37 AM

PREPARED BY / DATE

APPROVED BY / DATE

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Certificate #4329.02

CRYSTALLINE CBD ISOLATE

Batch ID:	KND 352	Test ID:	7249677.0031
Reported:	20-Feb-2020	Method:	TM10
Type:	Concentrate		
Test:	Terpenes		

TERPENE PROFILE

0.000%
Total
Terpenes

Compound	%(w/w)	mg/g
(-)-alpha-Bisabolol	0.000	0
Camphene	0.000	0
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
	0.000%	0.00

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
20-Feb-2020
2:47 PM



Greg Zimpfer
20-Feb-2020
5:10 PM

PREPARED BY / DATE

APPROVED BY / DATE

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