



## Crystalline CBD Isolate Powder Form

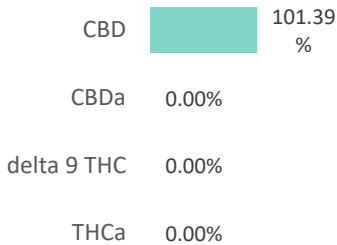
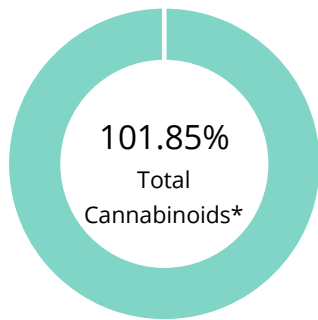
**Product:** 220923-391

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## Crystalline CBD Isolate

<b>Batch ID:</b>	-391	<b>Test ID:</b>	t000212605
<b>Type:</b>	Concentrate	<b>Submitted:</b>	06/30/2022 @ 09:05 AM
<b>Test:</b>	Potency	<b>Started:</b>	7/1/2022
<b>Method:</b>	TM14 (HPLC-DAD)	<b>Reported:</b>	7/5/2022

## CANNABINOID PROFILE



Compound	LOQ (%)	Result (%)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.12	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.14	ND	ND
Cannabidiolic acid (CBDA)	0.15	ND	ND
Cannabidiol (CBD)	0.15	101.39	1013.9
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.15	ND	ND
Cannabinolic Acid (CBNA)	0.09	ND	ND
Cannabinol (CBN)	0.04	ND	ND
Cannabigerolic acid (CBGA)	0.13	ND	ND
Cannabigerol (CBG)	0.03	ND	ND
Tetrahydrocannabivarinic Acid (THCVA)	0.11	ND	ND
Tetrahydrocannabivarin (THCV)	0.03	ND	ND
Cannabidivarinic Acid (CBDVA)	0.06	ND	ND
Cannabidivarin (CBDV)	0.03	0.46	4.6
Cannabichromenic Acid (CBCA)	0.05	ND	ND
Cannabichromene (CBC)	0.05	ND	ND
<b>Total Cannabinoids</b>		<b>101.85</b>	<b>1018.5</b>
Total Potential THC**		ND	ND
Total Potential CBD**		101.39	1013.9

## 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



 Daniel Weidensaul  
 5-Jul-2022  
 2:04 PM



 Karen Winterheime  
 5-Jul-2022  
 2:06 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


Prepared For:


**Crystalline CBD Isolate**
**LAURELCREST**

Batch ID or Lot Number: <b>220805-391</b>	Test: <b>Pesticides</b>	Reported: <b>7/6/22</b>	Location: 1270 NE Alpha Dr McMinnville Oregon 97128
Matrix: Concentrate	Test ID: t000212606	Started: 7/5/22	USDA License: N/A
Status: N/A	Method: TM17(LC-QQQ LC MS/MS):	Received: 06/30/2022 @ 09:05 AM	Sampler ID: N/A

**PESTICIDE DETERMINATION**

Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)
Acephate	39	ND	Fenoxycarb	43	ND	Paclobutrazol	42	ND
Acetamiprid	41	ND	Fipronil	57	ND	Permethrin	287	ND
Abamectin	350	ND	Flonicamid	42	ND	Phosmet	38	ND
Azoxystrobin	41	ND	Fludioxonil	286	ND	Prophos	281	ND
Bifenazate	43	ND	Hexythiazox	38	ND	Propoxur	41	ND
Boscalid	33	ND	Imazalil	283	ND	Pyridaben	304	ND
Carbaryl	37	ND	Imidacloprid	44	ND	Spinosad A	33	ND
Carbofuran	42	ND	Kresoxim-methyl	150	ND	Spinosad D	58	ND
Chlorantraniliprole	39	ND	Malathion	285	ND	Spiromesifen	271	ND
Chlorpyrifos	500	ND	Metalaxyl	47	ND	Spirotetramat	282	ND
Clofentezine	268	ND	Methiocarb	38	ND	Spiroxamine 1	16	ND
Diazinon	269	ND	Methomyl	38	ND	Spiroxamine 2	21	ND
Dichlorvos	276	ND	MGK 264 1	150	ND	Tebuconazole	291	ND
Dimethoate	43	ND	MGK 264 2	112	ND	Thiacloprid	41	ND
E-Fenpyroximate	278	ND	Myclobutanil	37	ND	Thiamethoxam	44	ND
Etofenprox	43	ND	Naled	44	ND	Trifloxystrobin	41	ND
Etoxazole	301	ND	Oxamyl	1500	ND			

  
 Sam Smith  
 7/6/2022  
 3:31:00 PM

  
 Daniel Weidensaul  
 7/6/2022  
 3:33:00 PM

PREPARED BY / DATE

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**Definitions**

LOQ = Limit of Quantification  
 ppb = Parts per Billion

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Prepared for:  
**LAURELCREST**

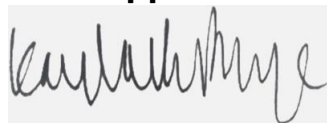
1270 NE Alpha Rd  
McMinnville Oregon 97128

## Crystalline CBD Isolate

Batch ID or Lot Number: <b>220805-391</b>	Test: <b>Heavy Metals</b>	Reported: <b>01Jul2022</b>	USDA License: NA
Matrix: Concentrate	Test ID: T000212607	Started: 01Jul2022	Sampler ID: NA
	Method(s): TM19 (ICP-MS): Heavy Metals	Received: 30Jun2022	Status: NA

Heavy Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.08 - 7.57	ND	
Cadmium	0.08 - 7.89	ND	
Mercury	0.08 - 7.92	ND	
Lead	0.08 - 8.10	ND	

## Final Approval



Kayla Phye  
01Jul2022  
04:26:00 PM MDT

PREPARED BY / DATE



Daniel Weidensaul  
01Jul2022  
04:27:00 PM MDT

APPROVED BY / DATE

<https://results.botanacor.com/api/v1/coas/uuid/db8bac27-1668-4822-86b2-edc1aaa70183>

### Definitions

ND = None Detected (defined by dynamic range of the method)  
Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range

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 17025:2017 Accredited by A2LA.



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db8bac271668482286b2edc1aaa70183.1

Prepared for:

**Crystalline CBD Isolate**
**LAURELCREST**


Batch ID or Lot Number: <b>220805-391</b>	Test: <b>Residual Solvents</b>	Reported: <b>7/8/22</b>	Location: 1270 NE Alpha Drive McMinnville Oregon 97128
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Matrix: N/A	Test ID: T000213300	Started: 7/8/22	USDA License: N/A
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Status: Active	Methods: TM04 (GC-MS): Residual Solvents	Received: 07/07/2022 @ 12:24 PM	Sampler ID: N/A
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**RESIDUAL SOLVENTS DETERMINATION**

Solvent	Dynamic Range (ppm)	Result (ppm)	Notes
<b>Propane</b>	84 - 1678	*ND	
<b>Butanes</b> (Isobutane, n-Butane)	175 - 3501	*ND	
<b>Methanol</b>	63 - 1261	*ND	
<b>Pentane</b>	97 - 1934	865	
<b>Ethanol</b>	99 - 1981	*ND	
<b>Acetone</b>	108 - 2159	*ND	
<b>Isopropyl Alcohol</b>	110 - 2204	*ND	
<b>Hexane</b>	6 - 121	*ND	
<b>Ethyl Acetate</b>	99 - 1982	*ND	
<b>Benzene</b>	0.2 - 4.4	*ND	
<b>Heptanes</b>	113 - 2257	*ND	
<b>Toluene</b>	22 - 432	*ND	
<b>Xylenes</b> (m,p,o-Xylenes)	143 - 2857	*ND	


 Sam Smith  
 8-Jul-22  
 1:09 PM


 Karen Winternheimer  
 8-Jul-22  
 1:11 PM

PREPARED BY / DATE

APPROVED BY / DATE

**Definitions**

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

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