

Prepared for:  
**Hau Processing**  
 2200 E 76th Ave Unit 300  
 Denver, CO USA 80229

## CBD Crystal Resistant Distillate

Batch ID or Lot Number: <b>1600001</b>	Test: <b>Potency</b>	Reported: <b>23Feb2022</b>	USDA License: N/A
Matrix: Concentrate	Test ID: T000194617	Started: 23Feb2022	Sampler ID: N/A
	Method(s): TM14 (HPLC-DAD)	Received: 23Feb2022	Status: N/A

### Cannabinoids

	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.032	0.116	0.040	0.40	
Cannabichromenic Acid (CBCA)	0.029	0.106	ND	ND	
Cannabidiol (CBD)	0.122	0.333	63.300	633.00	
Cannabidiolic Acid (CBDA)	0.125	0.341	ND	ND	
Cannabidivarin (CBDV)	0.029	0.079	2.330	23.30	
Cannabidivarinic Acid (CBDVA)	0.052	0.142	ND	ND	
Cannabigerol (CBG)	0.018	0.066	2.940	29.40	
Cannabigerolic Acid (CBGA)	0.075	0.275	ND	ND	
Cannabinol (CBN)	0.023	0.086	0.100	1.00	
Cannabinolic Acid (CBNA)	0.051	0.187	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.089	0.327	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.081	0.297	0.120	1.20	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.072	0.263	ND	ND	
Tetrahydrocannabivarin (THCV)	0.016	0.060	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.063	0.232	ND	ND	
<b>Total Cannabinoids</b>			<b>68.830</b>	<b>688.30</b>	
Total Potential THC**			0.120	1.20	
Total Potential CBD**			63.300	633.00	

### Final Approval



Daniel Weidensaul  
 24Feb2022  
 05:48:00 PM MST

PREPARED BY / DATE



Ryan Weems  
 24Feb2022  
 05:50:00 PM MST

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uiid/239aa4cf-ddb0-4469-b9da-77ef29b9f51e>

#### Definitions

% = % (w/w) = Percent (weight of analyte / weight of product). ND = None Detected (defined by dynamic range of the method).  
 Total Potential Delta 9-THC or CBD is calculated to take into account the loss of a carboxyl group during decarboxylation step, using the following formulas: Total Potential Delta 9-THC = Delta 9-THC + (Delta 9-THCa \*(0.877)) and Total CBD = CBD + (CBDA \*(0.877)).

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.



Cert #4329.02  
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Prepared for:


**CBD Crystal Resistant Distillate**
**Hau Processing**

Batch ID or Lot Number: <b>1600001</b>	Test: <b>Residual Solvents</b>	Reported: <b>3/18/22</b>	Location: 2200 E 76th Ave Unit 300 Denver, CO 80229
Matrix: N/A	Test ID: T000197345	Started: 3/18/22	USDA License: N/A
Status: N/A	Methods: TM04 (GC-MS): Residual Solvents	Received: 03/15/2022 @ 12:24 PM	Sampler ID: N/A

**RESIDUAL SOLVENTS DETERMINATION**

Solvent	Dynamic Range (ppm)	Result (ppm)	Notes
<b>Propane</b>	74 - 1479	*ND	
<b>Butanes</b> (Isobutane, n-Butane)	150 - 3004	*ND	
<b>Methanol</b>	60 - 1196	*ND	
<b>Pentane</b>	83 - 1667	*ND	
<b>Ethanol</b>	88 - 1757	*ND	
<b>Acetone</b>	94 - 1889	*ND	
<b>Isopropyl Alcohol</b>	100 - 2008	*ND	
<b>Hexane</b>	6 - 116	*ND	
<b>Ethyl Acetate</b>	92 - 1847	*ND	
<b>Benzene</b>	0.2 - 3.5	*ND	
<b>Heptanes</b>	95 - 1897	*ND	
<b>Toluene</b>	17 - 340	*ND	
<b>Xylenes</b> (m,p,o-Xylenes)	121 - 2420	*ND	


 Jacob Miller  
 18-Mar-22  
 3:42 PM


 Ryan Weems  
 18-Mar-22  
 3:44 PM

PREPARED BY / DATE

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**Definitions**

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

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Prepared for:

**CBD Crystal Resistant Distillate**
**Hau Processing**


Batch ID or Lot Number: <b>1600001</b>	Test: <b>Metals</b>	Reported: <b>3/21/22</b>	Location: 2200 E 76th Ave Unit 300 Denver, CO 80229
Matrix: Concentrate	Test ID: T000197344	Started: 3/18/22	USDA License: N/A
Status: N/A	Method: TM19 (ICP-MS): Heavy Metals	Received: 03/15/2022 @ 12:24 PM	Sampler ID: N/A

**HEAVY METALS DETERMINATION**

Compound	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.046 - 4.57	ND	
Cadmium	0.044 - 4.42	ND	
Mercury	0.045 - 4.52	ND	
Lead	0.043 - 4.31	ND	


 Daniel Weidensaul  
 21-Mar-22  
 12:34 PM

PREPARED BY / DATE


 Ryan Weems  
 21-Mar-22  
 12:37 PM

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**Definitions**

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

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Prepared for:

**CBD Crystal Resistant Distillate**
**Hau Processing**

Batch ID or Lot Number: <b>1600001</b>	Test: <b>Pesticides</b>	Reported: <b>3/18/22</b>	Location: 2200 E 76th Ave Unit 300 Denver, CO 80229
Matrix: Concentrate	Test ID: T000197343	Started: 3/17/22	USDA License: N/A
Status: N/A	Method: TM17(LC-QQQ LC MS/MS):	Received: 03/15/2022 @ 12:24 PM	Sampler ID: N/A

**PESTICIDE DETERMINATION**

Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)
Acephate	22	ND	Fenoxycarb	37	ND	Paclobutrazol	42	ND
Acetamiprid	38	ND	Fipronil	27	ND	Permethrin	299	ND
Avermectin	285	ND	Flonicamid	53	ND	Phosmet	36	ND
Azoxystrobin	36	ND	Fludioxonil	320	ND	Prophos	276	ND
Bifenazate	36	ND	Hexythiazox	35	ND	Propoxur	37	ND
Boscalid	39	ND	Imazalil	292	ND	Pyridaben	294	ND
Carbaryl	35	ND	Imidacloprid	36	ND	Spinosad A	32	ND
Carbofuran	35	ND	Kresoxim-methyl	150	ND	Spinosad D	51	ND
Chlorantraniliprole	44	ND	Malathion	282	ND	Spiromesifen	274	ND
Chlorpyrifos	500	ND	Metalaxyl	36	ND	Spirotetramat	267	ND
Clofentezine	280	ND	Methiocarb	36	ND	Spiroxamine 1	16	ND
Diazinon	281	ND	Methomyl	40	ND	Spiroxamine 2	20	ND
Dichlorvos	265	ND	MGK 264 1	162	ND	Tebuconazole	270	ND
Dimethoate	37	ND	MGK 264 2	107	ND	Thiacloprid	37	ND
E-Fenpyroximate	272	ND	Myclobutanil	45	ND	Thiamethoxam	37	ND
Etofenprox	37	ND	Naled	37	ND	Trifloxystrobin	36	ND
Etoxazole	298	ND	Oxamyl	1500	ND			


 Karen Winternheimer  
 3/18/2022  
 12:42:00 PM


 Daniel Weidensaul  
 3/18/2022  
 12:53:00 PM

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**Definitions**

LOQ = Limit of Quantification  
 ppb = Parts per Billion

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