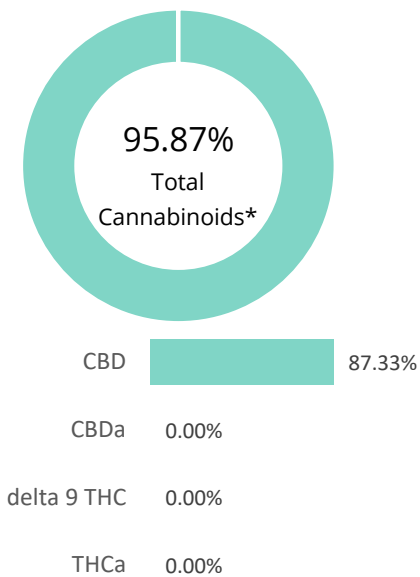


CBD Broad Spectrum Distillate

Batch ID:	0600018	Test ID:	T000187863
Type:	Concentrate	Submitted:	01/18/2022 @ 08:44 AM
Test:	Potency	Started:	1/19/2022
Method:	TM14 (HPLC-DAD)	Reported:	1/20/2022

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)	0.13	ND	ND
Cannabidiol (CBD)	0.13	87.33	873.3
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.15	ND	ND
Cannabinolic Acid (CBNA)	0.09	ND	ND
Cannabinol (CBN)	0.04	0.28	2.8
Cannabigerolic acid (CBGA)	0.13	ND	ND
Cannabigerol (CBG)	0.03	7.91	79.1
Tetrahydrocannabivarinic Acid (THCVA)	0.11	ND	ND
Tetrahydrocannabivarin (THCV)	0.03	0.05	0.5
Cannabidivarinic Acid (CBDVA)	0.06	ND	ND
Cannabidivarin (CBDV)	0.03	0.30	3.0
Cannabichromenic Acid (CBCA)	0.05	ND	ND
Cannabichromene (CBC)	0.05	ND	ND
Total Cannabinoids		95.87	958.7
Total Potential THC**		ND	ND
Total Potential CBD**		87.33	873.3

% = % (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.

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


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

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

NOTES:

N/A

FINAL APPROVAL

 Hannah Wright 20-Jan-2022 6:41 PM	 Rvan Weems 20-Jan-2022 6:44 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:

CBD Broad Spectrum Distillate
GNH Direct

Batch ID or Lot Number: 0600018	Test: Residual Solvents	Reported: 1/20/22	Location: 2200 E 76th Ave Unit 300 Denver, CO 80229
Matrix: N/A	Test ID: T000187866	Started: 1/13/22	USDA License: N/A
Status: N/A	Methods: TM04 (GC-MS): Residual Solvents	Received: 01/18/2022 @ 08:44 AM	Sampler ID: N/A

RESIDUAL SOLVENTS DETERMINATION

Solvent	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	94 - 1876	*ND	
Butanes (Isobutane, n-Butane)	187 - 3737	*ND	
Methanol	59 - 1181	*ND	
Pentane	95 - 1903	*ND	
Ethanol	95 - 1897	*ND	
Acetone	98 - 1965	*ND	
Isopropyl Alcohol	100 - 2004	*ND	
Hexane	6 - 121	*ND	
Ethyl Acetate	100 - 2003	*ND	
Benzene	0.2 - 4	*ND	
Heptanes	97 - 1935	*ND	
Toluene	18 - 352	*ND	
Xylenes (m,p,o-Xylenes)	125 - 2501	*ND	


 Hannah Wright
 20-Jan-22
 2:36 PM

PREPARED BY / DATE


 Ryan Weems
 20-Jan-22
 2:39 PM

APPROVED BY / DATE

Definitions

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

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.



Certificate #4329.02

Prepared for:

CBD Broad Spectrum Distillate
GNH Direct

Batch ID or Lot Number: 0600018	Test: Metals	Reported: 1/20/22	Location: 2200 E 76th Ave Unit 300 Denver, CO 80229
Matrix: Concentrate	Test ID: t000187865	Started: 1/20/22	USDA License: N/A
Status: N/A	Method: TM19 (ICP-MS): Heavy Metals	Received: 01/18/2022 @ 08:44 AM	Sampler ID: N/A

HEAVY METALS DETERMINATION

Compound	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.046 - 4.65	ND	
Cadmium	0.047 - 4.73	ND	
Mercury	0.048 - 4.76	ND	
Lead	0.049 - 4.87	ND	


 Ryan Weems
 20-Jan-22
 4:41 PM

PREPARED BY / DATE


 Daniel Weidensaul
 20-Jan-22
 4:52 PM

APPROVED BY / DATE

Definitions

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

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.



Certificate #4329.02


Prepared for:


CBD Broad Spectrum Distillate
GNH Direct

Batch ID or Lot Number: 0600018	Test: Pesticides	Reported: 1/21/22	Location: 2200 E 76th Ave Unit 300 Denver, CO 80229
Matrix: Concentrate	Test ID: T000187864	Started: 1/19/22	USDA License: N/A
Status: N/A	Method: TM17(LC-QQQ LC MS/MS):	Received: 01/18/2022 @ 08:44 AM	Sampler ID: N/A

PESTICIDE DETERMINATION

Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)
Acephate	41	ND	Fenoxycarb	43	ND	Paclobutrazol	46	ND
Acetamiprid	41	ND	Fipronil	49	ND	Permethrin	322	ND
Avermectin	302	ND	Flonicamid	45	ND	Phosmet	44	ND
Azoxystrobin	46	ND	Fludioxonil	319	ND	Prophos	324	ND
Bifenazate	43	ND	Hexythiazox	37	ND	Propoxur	44	ND
Boscalid	46	ND	Imazalil	258	ND	Pyridaben	293	ND
Carbaryl	41	ND	Imidacloprid	45	ND	Spinosad A	33	ND
Carbofuran	44	ND	Kresoxim-methyl	150	ND	Spinosad D	65	ND
Chlorantraniliprole	42	ND	Malathion	303	ND	Spiromesifen	297	ND
Chlorpyrifos	500	ND	Metalaxyl	42	ND	Spirotetramat	303	ND
Clofentezine	292	ND	Methiocarb	43	ND	Spiroxamine 1	15	ND
Diazinon	288	ND	Methomyl	43	ND	Spiroxamine 2	20	ND
Dichlorvos	280	ND	MGK 264 1	168	ND	Tebuconazole	291	ND
Dimethoate	42	ND	MGK 264 2	118	ND	Thiacloprid	44	ND
E-Fenpyroximate	300	ND	Myclobutanil	40	ND	Thiamethoxam	41	ND
Etofenprox	45	ND	Naled	48	ND	Trifloxystrobin	48	ND
Etoxazole	287	ND	Oxamyl	1500	ND			


 Sam Smith
 1/21/2022
 11:49:00 AM


 Karen Winterheimer
 1/21/2022
 12:03:00 PM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

LOQ = Limit of Quantification
 ppb = Parts per Billion

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.



Certificate #4329.02