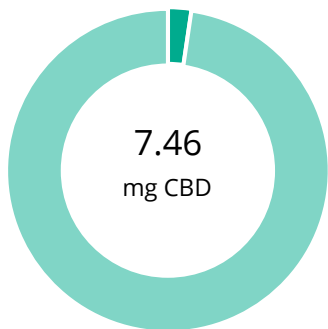


CBDA CBGA SG FS MCT

Batch ID:	220207-1	Test ID:	T000191653
Type:	Unit	Submitted:	02/07/2022 @ 10:35 AM
Test:	Potency	Started:	2/7/2022
Method:	TM14 (HPLC-DAD)	Reported:	2/7/2022

CANNABINOID PROFILE



CBD 1.55%

CBDa 4.30%

delta 9 THC 0.13%

THCa 0.00%

Compound	LOQ (mg)	Result (mg)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.54	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.61	0.61	1.3
Cannabidiolic acid (CBDA)	0.64	20.66	43.0
Cannabidiol (CBD)	0.62	7.46	15.5
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.67	ND	ND
Cannabinolic Acid (CBNA)	0.38	ND	ND
Cannabinol (CBN)	0.18	ND	ND
Cannabigerolic acid (CBGA)	0.56	22.95	47.8
Cannabigerol (CBG)	0.13	5.58	11.6
Tetrahydrocannabivarinic Acid (THCVA)	0.47	ND	ND
Tetrahydrocannabivarin (THCV)	0.12	ND	ND
Cannabidivarinic Acid (CBDVA)	0.27	0.32	0.7
Cannabidivarin (CBDV)	0.15	ND	ND
Cannabichromenic Acid (CBCA)	0.22	1.95	4.1
Cannabichromene (CBC)	0.24	1.51	3.1
Total Cannabinoids		61.04	127.2
Total Potential THC**		0.61	1.3
Total Potential CBD**		25.58	53.3

NOTES:

of Servings = 1, Sample Weight=0.48g

% = % (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)

FINAL APPROVAL


 Daniel Weidensaul
 7-Feb-2022
 7:02 PM


 Rvan Weems
 7-Feb-2022
 7:08 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



Prepared for:

CBDA CBGA SG FS MCT


Batch ID or Lot Number: 220207-1	Test: Residual Solvents	Reported: 2/11/22	Location:
Matrix: N/A	Test ID: T000191833	Started: 2/10/22	USDA License: N/A
Status: N/A	Methods: TM04 (GC-MS): Residual Solvents	Received: 02/08/2022 @ 09:49 AM	Sampler ID: N/A

RESIDUAL SOLVENTS DETERMINATION

Solvent	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	105 - 2091	*ND	
Butanes (Isobutane, n-Butane)	212 - 4236	*ND	
Methanol	60 - 1194	*ND	
Pentane	102 - 2034	*ND	
Ethanol	90 - 1797	*ND	
Acetone	99 - 1972	*ND	
Isopropyl Alcohol	100 - 1991	*ND	
Hexane	6 - 127	*ND	
Ethyl Acetate	99 - 1979	*ND	
Benzene	0.2 - 4	*ND	
Heptanes	99 - 1983	*ND	
Toluene	18 - 361	*ND	
Xylenes (m,p,o-Xylenes)	131 - 2630	*ND	


 Karen Winternheimer
 11-Feb-22
 2:06 PM

PREPARED BY / DATE


 Ryan Weems
 11-Feb-22
 2:09 PM

APPROVED BY / DATE

Definitions

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

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Certificate #4329.02

Prepared for:


CBDA CBGA SG FS MCT

Batch ID or Lot Number: 220207-1	Test: Pesticides	Reported: 2/10/22	Location:
Matrix: Concentrate	Test ID: T000191830	Started: 2/9/22	USDA License: N/A
Status: N/A	Method: TM17(LC-QQQ LC MS/MS):	Received: 02/08/2022 @ 09:49 AM	Sampler ID: N/A

PESTICIDE DETERMINATION

Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)
Acephate	42	ND	Fenoxycarb	41	ND	Paclobutrazol	44	ND
Acetamiprid	42	ND	Fipronil	35	ND	Permethrin	266	ND
Avermectin	302	ND	Flonicamid	44	ND	Phosmet	45	ND
Azoxystrobin	47	ND	Fludioxonil	308	ND	Prophos	293	ND
Bifenazate	44	ND	Hexythiazox	39	ND	Propoxur	41	ND
Boscalid	39	ND	Imazalil	274	ND	Pyridaben	290	ND
Carbaryl	41	ND	Imidacloprid	43	ND	Spinosad A	33	ND
Carbofuran	42	ND	Kresoxim-methyl	150	ND	Spinosad D	47	ND
Chlorantraniliprole	42	ND	Malathion	293	ND	Spiromesifen	279	ND
Chlorpyrifos	500	ND	Metalaxyl	44	ND	Spirotetramat	309	ND
Clofentezine	282	ND	Methiocarb	41	ND	Spiroxamine 1	17	ND
Diazinon	288	ND	Methomyl	42	ND	Spiroxamine 2	23	ND
Dichlorvos	286	ND	MGK 264 1	168	ND	Tebuconazole	283	ND
Dimethoate	43	ND	MGK 264 2	108	ND	Thiacloprid	42	ND
E-Fenpyroximate	292	ND	Myclobutanil	36	ND	Thiamethoxam	40	ND
Etofenprox	41	ND	Naled	50	ND	Trifloxystrobin	43	ND
Etoxazole	289	ND	Oxamyl	1500	ND			


 Daniel Weidensaul
 2/10/2022
 2:48:00 PM


 Sam Smith
 2/10/2022
 2:55:00 PM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

LOQ = Limit of Quantification
 ppb = Parts per Billion

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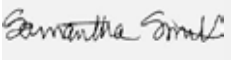
Prepared for:

CBDA CBGA SG FS MCT


Batch ID or Lot Number: 220207-1	Test: Metals	Reported: 2/9/22	Location:
Matrix: Unit	Test ID: T000191832	Started: 2/8/22	USDA License: N/A
Status: N/A	Method: TM19 (ICP-MS); Heavy Metals	Received: 02/08/2022 @ 09:49 AM	Sampler ID: N/A

HEAVY METALS DETERMINATION

Compound	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.045 - 4.50	ND	
Cadmium	0.043 - 4.25	ND	
Mercury	0.044 - 4.42	ND	
Lead	0.044 - 4.38	ND	


 Sam Smith
 9-Feb-22
 12:44 PM

PREPARED BY / DATE


 Ryan Weems
 9-Feb-22
 1:00 PM

APPROVED BY / DATE

Definitions

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

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Certificate #4329.02

CBDA CBGA SG FS MCT

Batch ID:	220207-1	Test ID:	T000191831
Matrix:	Finished Product	Received:	02/08/2022 @ 09:49 AM
Test:	Microbial Contaminants	Started:	2/8/2022
Methods:	TM25 (PCR) TM24, TM26, TM27 (Culture Plating)	Reported:	2/11/2022

MICROBIAL CONTAMINANTS

Contaminant	Method	LOD	Quantitation Range	Result
Total Yeast and Mold*	TM-24 Culture Plating	10 ¹ CFU/g	1.0x10 ² - 1.5x10 ⁴ CFU/g	None Detected
Total Aerobic Bacteria*	TM-26 Culture Plating	10 ² CFU/g	1.0x10 ³ - 1.5x10 ⁵ CFU/g	None Detected
Total Coliforms*	TM-27 Culture Plating	10 ¹ CFU/g	1.0x10 ² - 1.5x10 ⁴ CFU/g	None Detected
STEC	TM-25 PCR	10 ⁰ CFU/g	N/A	Absent
Salmonella	TM-25 PCR	10 ⁰ CFU/g	N/A	Absent

* Values recorded in scientific notation, a common microbial practice of expressing numbers that are too large to be conveniently written in decimal form.

Examples: 10² = 100 CFU
10³ = 1,000 CFU
10⁴ = 10,000 CFU
10⁵ = 100,000 CFU


NOTES:


Free from visual mold, mildew, and foreign matter

DEFINITIONS:

CFU/g = Colony Forming Units per gram | LOD = Limit of Detection | STEC = Shiga toxin-producing *E. coli*
LLOQ = Lower Limit of Quantitation | ULOQ = Upper Limit of Quantitation

FINAL APPROVAL


Eden Thompson-Wright
2/11/2022
2:22:00 PM


Brianne Maillot
2/11/2022
3:08:00 PM

PREPARED BY / DATE

APPROVED BY / DATE

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