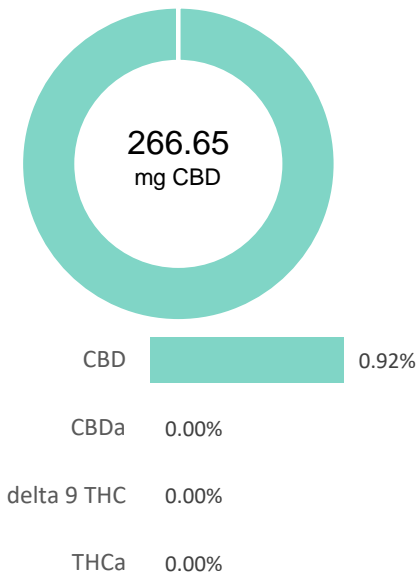


MMHS 250

Batch ID: 002	Test ID: T000115511
Type: Unit	Submitted: 12/16/2020 @ 11:16 AM
Test: Potency	Started: 12/17/2020
Method: TM14	Reported: 12/18/2020

CANNABINOID PROFILE



Compound	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	2.47	9.46	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	2.79	10.67	ND	ND
Cannabidiolic acid (CBDA)	3.32	13.34	ND	ND
Cannabidiol (CBD)	3.24	13.01	266.65	9.2
Delta 8-Tetrahydrocannabinol (Delta 8THC)	3.07	11.75	ND	ND
Cannabinolic Acid (CBNA)	1.76	6.73	ND	ND
Cannabinol (CBN)	0.80	3.08	21.52	0.7
Cannabigerolic acid (CBGA)	2.58	9.86	ND	ND
Cannabigerol (CBG)	0.62	2.36	3.57	0.1
Tetrahydrocannabivarinic Acid (THCVA)	2.18	8.34	ND	ND
Tetrahydrocannabivarin (THCV)	0.56	2.15	ND	ND
Cannabidivarinic Acid (CBDVA)	1.38	5.57	ND	ND
Cannabidivarin (CBDV)	0.77	3.08	ND	ND
Cannabichromenic Acid (CBCA)	0.99	3.80	ND	ND
Cannabichromene (CBC)	1.08	4.16	1.95***	0.1****
Total Cannabinoids			293.69	10.2
Total Potential THC**			ND	ND
Total Potential CBD**			266.65	9.2



% = % (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.
 Total THC = THC + (THCa *(0.877)) and
 Total CBD = CBD + (CBDa *(0.877))
 ***Analyte detected. Value below defined Limit of Quantitation.
 ND = None Detected (Defined by Dynamic Range of the method)

NOTES:

of Servings = 1, Sample Weight=28.93g

N/A

FINAL APPROVAL

	Sam Smith 18-Dec-2020 2:23 PM		Greg Zimpfer 18-Dec-2020 2:27 PM
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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

MMSH01-TF


Batch ID:	N/A	Test ID:	T000111896
Type:	Other	Submitted:	11/23/2020 @ 10:54 AM
Test:	Metals	Started:	11/24/2020
Method:	TM19	Reported:	11/25/2020

HEAVY METALS


Analyte	Dynamic Range (ppm)	Result (ppm)
Arsenic	0.085 - 8.52	ND
Cadmium	0.082 - 8.17	ND
Mercury	0.084 - 8.42	ND
Lead	0.121 - 12.00	ND

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

FINAL APPROVAL


Alex Smith
25-Nov-2020
9:54 AM

PREPARED BY / DATE


Greg Zimpfer
25-Nov-2020
3:41 PM

APPROVED BY / DATE

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MMSH01-TF

Batch ID:	N/A	Test ID:	T000111894
Type:	Concentrate	Submitted:	11/23/2020 @ 10:54 AM
Test:	Microbial Contaminants	Started:	11/24/2020
Method:	TM24, TM25, TM26, TM27, TM28	Reported:	11/28/2020

MICROBIAL CONTAMINANTS

Contaminant	Result (CFU/g)*
Total Aerobic Count**	None Detected
Total Coliforms**	None Detected
Total Yeast and Molds**	None Detected
E. coli	Absent
STEC and 0157 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

FINAL APPROVAL


Robert Belfon
27-Nov-2020
8:43 PM
Ben Minton
28-Nov-2020
12:48 PM

PREPARED BY / DATE

APPROVED BY / DATE

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Certificate #4329.03

MMSH01-TF

Batch ID:		Test ID:	T000111895
Type:	Concentrate	Submitted:	11/23/2020 @ 10:54 AM
Test:	Pesticides	Started:	11/25/2020
Method:	TM17	Reported:	11/30/2020


PESTICIDE RESIDUE

Compound	Dynamic Range (ppb)	Result (ppb)	Compound	Dynamic Range (ppb)	Result (ppb)
Acephate	58 - 2634	ND*	Malathion	311 - 2634	ND*
Acetamiprid	42 - 2634	ND*	Metalaxyl	46 - 2634	ND*
Abamectin	>372	ND*	Methiocarb	46 - 2634	ND*
Azoxystrobin	48 - 2634	ND*	Methomyl	53 - 2634	ND*
Bifenazate	46 - 2634	ND*	MGK 264 1	158 - 2634	ND*
Boscalid	44 - 2634	ND*	MGK 264 2	121 - 2634	ND*
Carbaryl	45 - 2634	ND*	Myclobutanil	47 - 2634	ND*
Carbofuran	45 - 2634	ND*	Naled	56 - 2634	ND*
Chlorantraniliprole	64 - 2634	ND*	Oxamyl	45 - 2634	ND*
Chlorpyrifos	41 - 2634	ND*	Paclobutrazol	48 - 2634	ND*
Clofentezine	291 - 2634	ND*	Permethrin	323 - 2634	ND*
Diazinon	309 - 2634	ND*	Phosmet	45 - 2634	ND*
Dichlorvos	>278	ND*	Prophos	291 - 2634	ND*
Dimethoate	47 - 2634	ND*	Propoxur	44 - 2634	ND*
E-Fenpyroximate	281 - 2634	ND*	Pyridaben	312 - 2634	ND*
Etofenprox	46 - 2634	ND*	Spinosad A	31 - 2634	ND*
Etoxazole	315 - 2634	ND*	Spinosad D	102 - 2634	ND*
Fenoxycarb	>38	ND*	Spiromesifen	>295	ND*
Fipronil	42 - 2634	ND*	Spirotetramat	>318	ND*
Fonicamid	59 - 2634	ND*	Spiroxamine 1	16 - 2634	ND*
Fludioxonil	>294	ND*	Spiroxamine 2	23 - 2634	ND*
Hexythiazox	45 - 2634	ND*	Tebuconazole	313 - 2634	ND*
Imazalil	310 - 2634	ND*	Thiacloprid	46 - 2634	ND*
Imidacloprid	48 - 2634	ND*	Thiamethoxam	51 - 2634	ND*
Kresoxim-methyl	48 - 2634	ND*	Trifloxystrobin	44 - 2634	ND*


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

N/A

FINAL APPROVAL

 Tyler Wiese
 30-Nov-2020
 6:30 PM

PREPARED BY / DATE

 Ben Minton
 30-Nov-2020
 7:10 PM

APPROVED BY / DATE

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MMSH01-TF

Batch ID:		Test ID:	T00011893
Type:	Concentrate	Submitted:	11/23/2020 @ 10:54 AM
Test:	Residual Solvents	Started:	11/30/2020
Method:	TM04	Reported:	11/30/2020

RESIDUAL SOLVENTS

Solvent	Dynamic Range (ppm)	Result (ppm)
Propane	116 - 2313	*ND
Butanes (Isobutane, n-Butane)	212 - 4246	*ND
Methanol	65 - 1298	*ND
Pentane	104 - 2073	*ND
Ethanol	108 - 2159	*ND
Acetone	105 - 2097	*ND
Isopropyl Alcohol	109 - 2183	*ND
Hexane	6 - 127	*ND
Ethyl Acetate	106 - 2120	*ND
Benzene	0.2 - 4.1	*ND
Heptanes	103 - 2053	*ND
Toluene	19 - 379	*ND
Xylenes (m,p,o-Xylenes)	136 - 2720	*ND

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

NOTES:
N/A

FINAL APPROVAL

Daniel Weidensaul
30-Nov-2020
5:18 PMBen Minton
30-Nov-2020
6:39 PM

PREPARED BY / DATE

APPROVED BY / DATE

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