

MMHS011

Sample ID: 2102PSI0184.01784
Strain: ARC0030
Matrix: Topical
Type: Body Oil

METRC Batch ID:
METRC Sample:

Produced:
Date Received: 02/17/2021
Completed: 02/22/2021
Sample Size: - ; Batch: -

Arbor Botanicals
Lic. #
605 S Maple
Ann Arbor, MI 48103

Cannabinoids

94.35 **1999.83**

Δ 9-THC (mg/unit) CBD (mg/unit)

Testing Method: HPLC-DAD / SOP - PSIMTDA
Date Tested: 02/19/2021
1 Unit = 28.21g, 28.21g



Analyte	LOQ	Mass	Mass
	mg/unit	mg/unit	mg/g
THCa	6.47	ND	ND
Δ 9-THC	6.47	94.35	3.34
Δ 8-THC	6.47	ND	ND
CBDa	6.47	ND	ND
CBD	6.47	1999.83	70.89
CBN	6.47	29.85	1.06
Total		2124.03	75.29

Total THC = THCa * 0.877 + Δ 9-THC

Total CBD = CBDa * 0.877 + CBD

LOQ = Limit of Quantitation, ND = Not Detected; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory.

Safety

Foreign Matter

Visual Exam / SOP - PSIMTDF

Pass



L. Spivak

Lev Spivak-Birndorf
CSO



RRSP - Contam


Batch ID:	N/A	Test ID:	T000089416
Reported:	10-Aug-2020	Method:	TM19
Type:	Concentrate		
Test:	Metals		

HEAVY METALS

Analyte	Dynamic Range (ppm)	Result (ppm)
Arsenic	0.082 - 8.19	ND
Cadmium	0.086 - 8.58	ND
Mercury	0.080 - 7.97	ND
Lead	0.087 - 8.69	ND


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

FINAL APPROVAL



Ryan Weems
10-Aug-2020
4:48 PM

PREPARED BY / DATE



Ben Minton
10-Aug-2020
7:08 PM

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.

RRSP - Microbes

Batch ID:	N/A	Test ID:	T000089413
Reported:	10-Aug-2020	Method:	Concentrate - Test Methods: TM05, TM06
Type:	Concentrate		
Test:	Microbial Contaminants		

MICROBIAL CONTAMINANTS

Contaminant	Result (CFU/g)*
Total Aerobic Count**	None Detected
Total Coliforms**	None Detected
Total Yeast and Molds**	None Detected
<i>E. coli</i>	None Detected
<i>Salmonella</i>	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


Sarah Henning
10-Aug-2020
3:17 PM
Ben Minton
10-Aug-2020
7:43 PM

PREPARED BY / DATE

APPROVED BY / DATE

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Certificate #4329.03

RRSP - Contam

Batch ID:		Test ID:	8451582.0019
Reported:	10-Aug-2020	Method:	TM17
Type:	Concentrate		
Test:	Pesticides		


PESTICIDE RESIDUE


Compound	Dynamic Range (ppb)	Result (ppb)	Compound	Dynamic Range (ppb)	Result (ppb)
Acephate	43 - 2646	ND*	Malathion	314 - 2646	ND*
Acetamiprid	43 - 2646	ND*	Metalaxyl	44 - 2646	ND*
Abamectin	>314	ND*	Methiocarb	41 - 2646	ND*
Azoxystrobin	46 - 2646	ND*	Methomyl	41 - 2646	ND*
Bifenazate	40 - 2646	ND*	MGK 264 1	180 - 2646	ND*
Boscalid	44 - 2646	ND*	MGK 264 2	107 - 2646	ND*
Carbaryl	45 - 2646	ND*	Myclobutanil	47 - 2646	ND*
Carbofuran	44 - 2646	ND*	Naled	52 - 2646	ND*
Chlorantraniliprole	53 - 2646	ND*	Oxamyl	40 - 2646	ND*
Chlorpyrifos	50 - 2646	ND*	Paclobutrazol	46 - 2646	ND*
Clofentezine	305 - 2646	ND*	Permethrin	295 - 2646	ND*
Diazinon	305 - 2646	ND*	Phosmet	43 - 2646	ND*
Dichlorvos	>290	ND*	Prophos	300 - 2646	ND*
Dimethoate	41 - 2646	ND*	Propoxur	42 - 2646	ND*
E-Fenpyroximate	292 - 2646	ND*	Pyridaben	301 - 2646	ND*
Etofenprox	44 - 2646	ND*	Spinosad A	31 - 2646	ND*
Etoxazole	311 - 2646	ND*	Spinosad D	84 - 2646	ND*
Fenoxycarb	>46	ND*	Spiromesifen	>285	ND*
Fipronil	44 - 2646	ND*	Spirotetramat	>305	ND*
Flonicamid	40 - 2646	ND*	Spiroxamine 1	19 - 2646	ND*
Fludioxonil	>308	ND*	Spiroxamine 2	24 - 2646	ND*
Hexythiazox	46 - 2646	ND*	Tebuconazole	302 - 2646	ND*
Imazalil	286 - 2646	ND*	Thiacloprid	42 - 2646	ND*
Imidacloprid	43 - 2646	ND*	Thiamethoxam	43 - 2646	ND*
Kresoxim-methyl	45 - 2646	ND*	Trifloxystrobin	45 - 2646	ND*

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

N/A

FINAL APPROVAL


 Tyler Wiese
 10-Aug-2020
 4:58 PM
 PREPARED BY / DATE


 Ben Minton
 10-Aug-2020
 6:18 PM
 APPROVED BY / DATE

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RRSP - Contam

Batch ID:		Test ID:	T000089414
Reported:	10-Aug-2020	Method:	TM04
Type:	Concentrate		
Test:	Residual Solvents		

RESIDUAL SOLVENTS

Solvent	Dynamic Range (ppm)	Result (ppm)
Propane	89 - 1778	*ND
Butanes (Isobutane, n-Butane)	169 - 3374	*ND
Methanol	59 - 1176	*ND
Pentane	89 - 1778	*ND
Ethanol	82 - 1647	*ND
Acetone	97 - 1947	*ND
Isopropyl Alcohol	102 - 2030	*ND
Hexane	6 - 121	*ND
Ethyl Acetate	97 - 1949	*ND
Benzene	0.2 - 3.9	*ND
Heptanes	93 - 1855	*ND
Toluene	18 - 358	*ND
Xylenes (m,p,o-Xylenes)	131 - 2617	*ND


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

NOTES:
N/A

FINAL APPROVAL


Ryan Weems
10-Aug-2020
3:24 PM

PREPARED BY / DATE


Ben Minton
10-Aug-2020
5:55 PM

APPROVED BY / DATE

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