

## MMHS016

Sample ID: 2107PSI0088.08151  
Strain: N/A  
Matrix: Ingestible  
Type: Tincture

METRC Batch ID:  
METRC Sample:

Produced:  
Date Received: 07/09/2021  
Completed: 07/15/2021  
Sample Size: - ; Batch: -

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

### Cannabinoids

**69.33**      **1511.37**

$\Delta$ 9-THC (mg/unit)      CBD (mg/unit)

Testing Method: HPLC-DAD / SOP - PSIMTDA  
Date Tested: 07/14/2021  
1 Unit = 1 fl oz, 28.83g



Analyte	LOQ	Mass	Mass
	mg/unit	mg/unit	mg/g
THCa	13.56	ND	ND
$\Delta$ 9-THC	1.34	69.33	2.40
$\Delta$ 8-THC	13.56	ND	ND
CBDa	13.56	ND	ND
CBD	13.56	1511.37	52.42
CBN	13.56	ND	ND
<b>Total</b>		<b>1580.70</b>	<b>54.83</b>

Total THC = THCa \* 0.877 +  $\Delta$ 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**



  
Lev Spivak-Birndorf  
CSO



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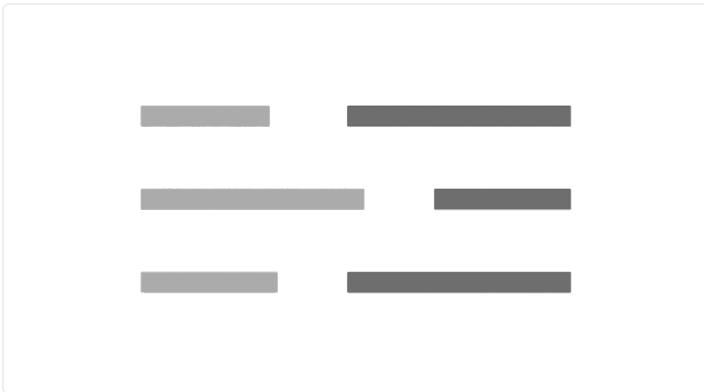
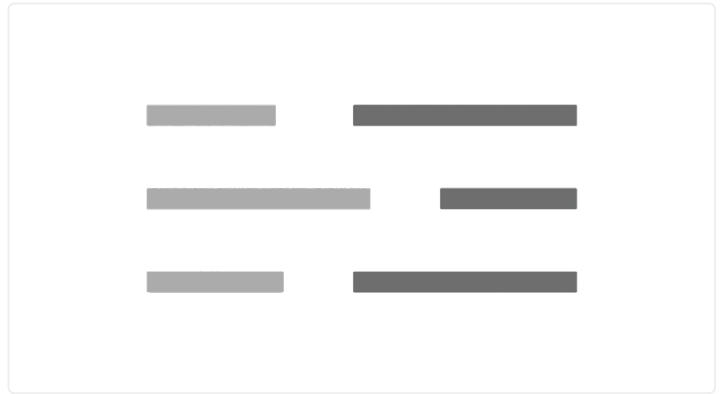
METRC Batch ID:  
METRC Sample:

Produced:  
Date Received: 07/09/2021  
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Sample Size: - ; Batch: -

Arbor Botanicals  
Lic. #  
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Ann Arbor, MI 48103

## Foreign Matter

Pass



Notes:

Date Tested:  
Testing Method: Visual Exam / SOP - PSIMTDF



Lev Spivak-Birndorf  
CSO



**ZSP2**

<b>Batch ID:</b>	OTHERS	<b>Test ID:</b>	T000093968
<b>Reported:</b>	4-Sep-2020	<b>Method:</b>	TM04
<b>Type:</b>	Concentrate		
<b>Test:</b>	Residual Solvents		


**RESIDUAL SOLVENTS**

Solvent	Dynamic Range (ppm)	Result (ppm)
Propane	81 - 1625	*ND
Butanes (Isobutane, n-Butane)	167 - 3339	*ND
Methanol	67 - 1339	*ND
Pentane	97 - 1932	*ND
Ethanol	95 - 1897	*ND
Acetone	109 - 2182	*ND
Isopropyl Alcohol	113 - 2262	*ND
Hexane	7 - 132	*ND
Ethyl Acetate	110 - 2197	*ND
Benzene	0.2 - 4.4	*ND
Heptanes	103 - 2052	*ND
Toluene	20 - 398	*ND
Xylenes (m,p,o-Xylenes)	144 - 2890	*ND

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

NOTES:  
N/A

**FINAL APPROVAL**

  
 Daniel Weidensaul  
 4-Sep-2020  
 4:15 PM

  
 Scott Hansen  
 4-Sep-2020  
 5:18 PM

PREPARED BY / DATE

APPROVED BY / DATE

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Certificate #4329.02

**ZSP2**

<b>Batch ID:</b>	Others	<b>Test ID:</b>	T000093969
<b>Reported:</b>	8-Sep-2020	<b>Method:</b>	TM17
<b>Type:</b>	Concentrate		
<b>Test:</b>	Pesticides		

**PESTICIDE RESIDUE**


Compound	Dynamic Range (ppb)	Result (ppb)	Compound	Dynamic Range (ppb)	Result (ppb)
Acephate	42 - 2360	ND*	Malathion	265 - 2360	ND*
Acetamiprid	38 - 2360	ND*	Metalaxyl	39 - 2360	ND*
Abamectin	>328	ND*	Methiocarb	39 - 2360	ND*
Azoxystrobin	39 - 2360	ND*	Methomyl	42 - 2360	ND*
Bifenazate	41 - 2360	ND*	MGK 264 1	150 - 2360	ND*
Boscalid	45 - 2360	ND*	MGK 264 2	112 - 2360	ND*
Carbaryl	39 - 2360	ND*	Myclobutanil	39 - 2360	ND*
Carbofuran	41 - 2360	ND*	Naled	37 - 2360	ND*
Chlorantraniliprole	42 - 2360	ND*	Oxamyl	39 - 2360	ND*
Chlorpyrifos	51 - 2360	ND*	Paclobutrazol	42 - 2360	ND*
Clofentezine	265 - 2360	ND*	Permethrin	284 - 2360	ND*
Diazinon	272 - 2360	ND*	Phosmet	40 - 2360	ND*
Dichlorvos	>233	ND*	Prophos	297 - 2360	ND*
Dimethoate	39 - 2360	ND*	Propoxur	39 - 2360	ND*
E-Fenpyroximate	286 - 2360	ND*	Pyridaben	290 - 2360	ND*
Etofenprox	42 - 2360	ND*	Spinosad A	28 - 2360	ND*
Etoxazole	288 - 2360	ND*	Spinosad D	76 - 2360	ND*
Fenoxycarb	>37	ND*	Spiromesifen	>276	ND*
Fipronil	57 - 2360	ND*	Spirotetramat	>275	ND*
Fonicamid	46 - 2360	ND*	Spiroxamine 1	17 - 2360	ND*
Fludioxonil	>285	ND*	Spiroxamine 2	22 - 2360	ND*
Hexythiazox	39 - 2360	ND*	Tebuconazole	285 - 2360	ND*
Imazalil	254 - 2360	ND*	Thiacloprid	41 - 2360	ND*
Imidacloprid	37 - 2360	ND*	Thiamethoxam	41 - 2360	ND*
Kresoxim-methyl	38 - 2360	ND*	Trifloxystrobin	42 - 2360	ND*


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

N/A

Certificate reissued upon further laboratory review

**FINAL APPROVAL**

 Tyler Wiese  
 8-Sep-2020  
 4:51 PM

 Ben Minton  
 8-Sep-2020  
 6:03 PM

PREPARED BY / DATE

APPROVED BY / DATE

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### ZSP2


<b>Batch ID:</b>	Others	<b>Test ID:</b>	T000093970
<b>Reported:</b>	3-Sep-2020	<b>Method:</b>	TM19
<b>Type:</b>	Concentrate		
<b>Test:</b>	Metals		

### HEAVY METALS


Analyte	Dynamic Range (ppm)	Result (ppm)
Arsenic	0.065 - 6.47	ND
Cadmium	0.064 - 6.38	ND
Mercury	0.067 - 6.72	ND
Lead	0.065 - 6.50	ND

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

### FINAL APPROVAL

 Ryan Weems  
3-Sep-2020  
4:44 PM

PREPARED BY / DATE

 Ben Minton  
3-Sep-2020  
5:07 PM

APPROVED BY / DATE

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## ZSP2

<b>Batch ID:</b>	Microbes	<b>Test ID:</b>	T000093971
<b>Reported:</b>	6-Sep-2020	<b>Method:</b>	Concentrate - Test Methods: TM05, TM06
<b>Type:</b>	Concentrate		
<b>Test:</b>	Microbial Contaminants		

## MICROBIAL CONTAMINANTS

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

Coliforms: None Detected

## FINAL APPROVAL

  
Sarah Henning  
6-Sep-2020  
1:33 PM  
Greg Zimpfer  
6-Sep-2020  
3:52 PM

PREPARED BY / DATE

APPROVED BY / DATE

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