

## RR004

Sample ID: 2102PSI0235.01935  
Strain: N/A  
Matrix: Topical  
Type: Lotion

METRC Batch ID:  
METRC Sample:

Produced:  
Date Received: 02/22/2021  
Completed: 02/25/2021  
Sample Size: - ; Batch: -

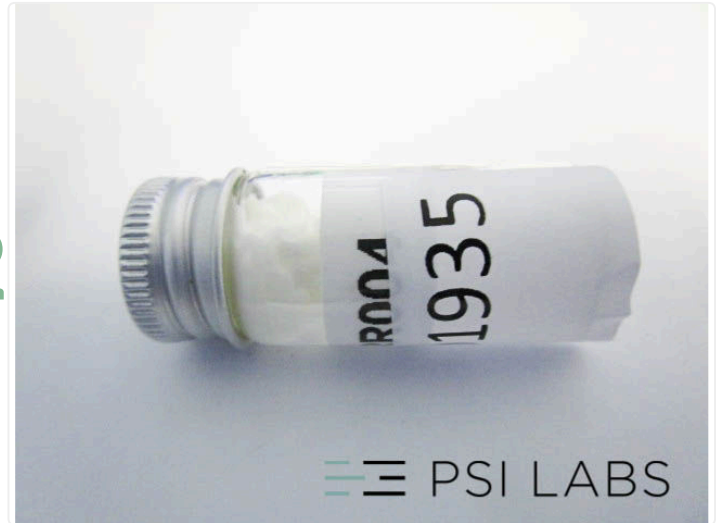
Arbor Botanicals  
Lic. #  
605 S Maple  
Ann Arbor, MI 48103

### Cannabinoids

**143.89**      **2028.62**

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

Testing Method: HPLC-DAD / SOP - PSIMTDA  
Date Tested: 02/25/2021  
1 Unit = 8.1 oz, 226g



Analyte	LOQ	Mass	Mass
	mg/unit	mg/unit	mg/g
THCa	28.32	ND	ND
$\Delta$ 9-THC	28.32	143.89	0.64
$\Delta$ 8-THC	28.32	134.16	0.59
CBDa	28.32	ND	ND
CBD	28.32	2028.62	8.98
CBN	28.32	ND	ND
<b>Total</b>		<b>2306.67</b>	<b>10.21</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.

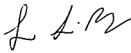
### Safety

Foreign Matter

Visual Exam / SOP - PSIMTDF

Pass



  
Lev Spivak-Birndorf  
CSO



## RugFPTH01

<b>Batch ID:</b>	N/A	<b>Test ID:</b>	T000115233
<b>Type:</b>	Concentrate	<b>Submitted:</b>	12/15/2020 @ 08:04 AM
<b>Test:</b>	Microbial Contaminants	<b>Started:</b>	12/16/2020
<b>Method:</b>	TM24, TM25, TM26, TM27, TM28	<b>Reported:</b>	12/20/2020

## 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>	Absent
<b>E. coli (STEC)</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

## FINAL APPROVAL

  
Robert Belfon  
19-Dec-2020  
7:10 PM  
Ben Minton  
20-Dec-2020  
11:43 AM

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 4329.03. Testing associated with this certificate of analysis performed by an external ISO17025 accredited provider.



Certificate #4329.03

RugFPTH01


<b>Batch ID:</b>		<b>Test ID:</b>	T000115232
<b>Type:</b>	Concentrate	<b>Submitted:</b>	12/15/2020 @ 08:04 AM
<b>Test:</b>	Residual Solvents	<b>Started:</b>	12/17/2020
<b>Method:</b>	TM04	<b>Reported:</b>	12/17/2020

**RESIDUAL SOLVENTS**


Solvent	Dynamic Range (ppm)	Result (ppm)
Propane	100 - 2004	*ND
Butanes (Isobutane, n-Butane)	189 - 3771	*ND
Methanol	56 - 1128	*ND
Pentane	93 - 1852	*ND
Ethanol	92 - 1841	*ND
Acetone	91 - 1821	*ND
Isopropyl Alcohol	93 - 1859	*ND
Hexane	6 - 111	*ND
Ethyl Acetate	91 - 1812	*ND
Benzene	0.2 - 3.7	*ND
Heptanes	92 - 1832	*ND
Toluene	16 - 328	*ND
Xylenes (m,p,o-Xylenes)	118 - 2366	*ND

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

 NOTES:  
N/A

**FINAL APPROVAL**

 Sam Smith  
17-Dec-2020  
5:02 PM

PREPARED BY / DATE


 Ben Minton  
17-Dec-2020  
7:28 PM

APPROVED BY / DATE

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Certificate #4329.02

**RugFPTH01**

<b>Batch ID:</b>		<b>Test ID:</b>	T000115234
<b>Type:</b>	Concentrate	<b>Submitted:</b>	12/15/2020 @ 08:04 AM
<b>Test:</b>	Pesticides	<b>Started:</b>	12/15/2020
<b>Method:</b>	TM17	<b>Reported:</b>	12/17/2020

**PESTICIDE RESIDUE**

Compound	Dynamic Range (ppb)	Result (ppb)	Compound	Dynamic Range (ppb)	Result (ppb)
Acephate	45 - 2395	ND*	Malathion	285 - 2395	ND*
Acetamiprid	41 - 2395	ND*	Metalaxyl	47 - 2395	ND*
Abamectin	>316	ND*	Methiocarb	43 - 2395	ND*
Azoxystrobin	44 - 2395	ND*	Methomyl	45 - 2395	ND*
Bifenazate	29 - 2395	ND*	MGK 264 1	152 - 2395	ND*
Boscalid	49 - 2395	ND*	MGK 264 2	121 - 2395	ND*
Carbaryl	40 - 2395	ND*	Myclobutanil	41 - 2395	ND*
Carbofuran	41 - 2395	ND*	Naled	51 - 2395	ND*
Chlorantraniliprole	51 - 2395	ND*	Oxamyl	45 - 2395	ND*
Chlorpyrifos	41 - 2395	ND*	Paclobutrazol	44 - 2395	ND*
Clofentezine	279 - 2395	ND*	Permethrin	302 - 2395	ND*
Diazinon	298 - 2395	ND*	Phosmet	44 - 2395	ND*
Dichlorvos	>288	ND*	Prophos	300 - 2395	ND*
Dimethoate	43 - 2395	ND*	Propoxur	41 - 2395	ND*
E-Fenpyroximate	222 - 2395	ND*	Pyridaben	276 - 2395	ND*
Etofenprox	41 - 2395	ND*	Spinosad A	28 - 2395	ND*
Etoxazole	283 - 2395	ND*	Spinosad D	76 - 2395	ND*
Fenoxycarb	>39	ND*	Spiromesifen	>243	ND*
Fipronil	34 - 2395	ND*	Spirotetramat	>272	ND*
Flonicamid	34 - 2395	ND*	Spiroxamine 1	18 - 2395	ND*
Fludioxonil	>328	ND*	Spiroxamine 2	23 - 2395	ND*
Hexythiazox	42 - 2395	ND*	Tebuconazole	317 - 2395	ND*
Imazalil	286 - 2395	ND*	Thiacloprid	42 - 2395	ND*
Imidacloprid	45 - 2395	ND*	Thiamethoxam	45 - 2395	ND*
Kresoxim-methyl	45 - 2395	ND*	Trifloxystrobin	42 - 2395	ND*


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

N/A

**FINAL APPROVAL**

 Taylor Brevik  
 17-Dec-2020  
 11:13 AM

PREPARED BY / DATE


 Ben Minton  
 17-Dec-2020  
 6:54 PM

APPROVED BY / DATE

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RugFPTH01


<b>Batch ID:</b>	N/A	<b>Test ID:</b>	T000115235
<b>Type:</b>	Concentrate	<b>Submitted:</b>	12/15/2020 @ 08:04 AM
<b>Test:</b>	Metals	<b>Started:</b>	12/15/2020
<b>Method:</b>	TM19	<b>Reported:</b>	12/16/2020

## HEAVY METALS


Analyte	Dynamic Range (ppm)	Result (ppm)
Arsenic	0.051 - 5.14	ND
Cadmium	0.056 - 5.56	ND
Mercury	0.055 - 5.53	ND
Lead	0.055 - 5.52	ND

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

## FINAL APPROVAL

  
Ryan Weems  
16-Dec-2020  
11:31 AM

PREPARED BY / DATE

  
Greg Zimpfer  
16-Dec-2020  
3:21 PM

APPROVED BY / DATE

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