



# CannaBusiness Laboratories, LLC

2554 Palumbo Dr. Lexington, KY 40509

## Certificate of Analysis

**Customer:**  
Hartville Hemp Products, LLC  
125 Rt 43  
Hartville, OH 44632

Sample ID: **210414012**  
Order Number: **CB210414007**  
Sample Name: **R3L9**

Collected Date:  
Received Date: **4/14/2021**  
COA Released: **4/27/2021**

External Sample ID: **R2L8B9**  
Batch Number:  
Product Type: **Flower**  
Sample Type: **Flower**

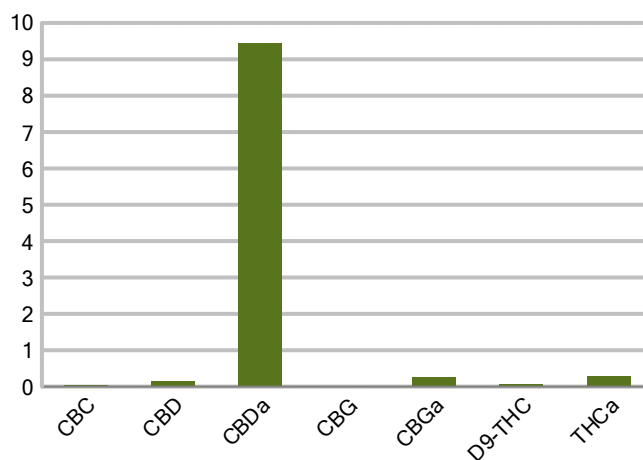
Comments:

## CANNABINOID PROFILE

Analyte	LOQ (%)	% weight	mg/g
CBC	0.01	0.039	0.390
CBD	0.01	0.139	1.390
CBDa	0.01	9.430	94.30
CBDV	0.01	ND	ND
CBG	0.01	0.025	0.252
CBGa	0.01	0.269	2.691
CBN	0.01	ND	ND
d8-THC	0.01	ND	ND
d9-THC	0.01	0.070	0.696
THCa	0.01	0.286	2.863
<b>Total Cannabinoids</b>		<b>10.2</b>	<b>102</b>
<b>Total Potential THC</b>		<b>0.3</b>	<b>3</b>
<b>Total Potential CBD</b>		<b>8.4</b>	<b>84</b>
<b>Total Potential CBG</b>		<b>0.2</b>	<b>2</b>



Cannabinoids (% weight)



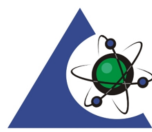
**Ratio of Total Potential CBD to Total Potential THC 28.00 : 1**

**Ratio of Total Potential CBG to Total Potential THC 0.67 : 1**

\*Total Cannabinoids refers to the sum of all cannabinoids detected.

\*Total Potential CBD = (0.877 x CBDa) + CBD. \*Total Potential THC = (0.877 x THCa) + THC. \*Total Potential CBG = (0.877 x CBGa) + CBG.

\*Total Potential THC/CBD are calculated to take into account the loss of an acid group during decarboxylation.



**PJLA**  
Testing  
Accreditation #109588

Authorized Signature

*J. Hobgood*  
Laboratory Manager

Jamie Hobgood

04/27/2021 11:00 AM

**DATE**

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**CannaBusiness Laboratories, LLC**  
2554 Palumbo Dr. Lexington, KY 40509



Sample ID: 210414012  
Sample Name: R3L9  
Sample Type: Flower

## Certificate of Analysis

### Customer

Hartville Hemp Products, LLC  
125 Rt 43  
Hartville, OH 44632



### Overall Batch Results

Pesticide	Moisture Content
Potency	Water Activity
Mycotoxins	Heavy Metals
Microbial Screen	Residual Solvents
Terpenoids	

Sample Name: R3L9

Sample ID: 210414012

Product Type: Flower

Sample Type: Flower

Collected Date:

Received Date: 04/14/2021

Batch Number:

Batch Size:

Sample Size:

COA released: 04/27/2021 11:00 AM

### Potency (mg/g)

Date Tested: 04/15/2021 Method: CB-SOP-028  
Instrument:

<b>0.321 %</b>	<b>8.409 %</b>	<b>10.26 %</b>	<b>102.6 mg/g</b>
Total THC	Total CBD	Total Cannabinoids	Total Cannabinoids

Analyte	Result	Units	LOQ	Result	Units
CBC (Cannabichromene)	0.039	%	0.010	0.390	mg/g
CBD (Cannabidiol)	0.139	%	0.010	1.390	mg/g
CBDa (Cannabidiolic Acid)	9.430	%	0.010	94.30	mg/g
CBDV (Cannabidivarin)	ND	%	0.010	ND	mg/g
CBG (Cannabigerol)	0.025	%	0.010	0.252	mg/g
CBGa (Cannabigerolic Acid)	0.269	%	0.010	2.691	mg/g
CBN (Cannabinol)	ND	%	0.010	ND	mg/g
D8-THC (D8-Tetrahydrocannabinol)	ND	%	0.010	ND	mg/g
D9-THC (D9-Tetrahydrocannabinol)	0.070	%	0.010	0.696	mg/g
THCa (Tetrahydrocannabinolic Acid)	0.286	%	0.010	2.863	mg/g

### Terpenoids

Date Tested: 04/23/2021 Method: CB-SOP-026  
Instrument:

Analyte	Result	Unit	LOQ	Result	Unit
alpha-Bisabolol	0.500	mg/g	0.100	0.0500	%
alpha-humulene	0.259	mg/g	0.100	0.0259	%
alpha-pinene	0.840	mg/g	0.100	0.0840	%
alpha-terpinene	<LOQ	mg/g	0.100	<LOQ	%
beta-caryophyllene	1.096	mg/g	0.100	0.1096	%
Beta-myrcene	<LOQ	mg/g	0.100	<LOQ	%
Beta-pinene	0.398	mg/g	0.100	0.0398	%
cis-Nerolidol	<LOQ	mg/g	0.100	<LOQ	%
Camphene	<LOQ	mg/g	0.100	<LOQ	%
d-Limonene	0.267	mg/g	0.100	0.0267	%
delta-3-Carene	<LOQ	mg/g	0.100	<LOQ	%
Eucalyptol	<LOQ	mg/g	0.100	<LOQ	%
gamma-Terpinene	<LOQ	mg/g	0.100	<LOQ	%
Geraniol	<LOQ	mg/g	0.100	<LOQ	%
Guaiol	<LOQ	mg/g	0.100	<LOQ	%
Isopulegol	<LOQ	mg/g	0.100	<LOQ	%
Linalool	0.123	mg/g	0.100	0.0123	%
Ocimene (mixture of isomers)	<LOQ	mg/g	0.100	<LOQ	%
p-Isopropyltoluene (p-Cymene)	<LOQ	mg/g	0.100	<LOQ	%
trans-beta-Ocimene	<LOQ	mg/g	0.100	<LOQ	%
trans-Nerolidol	<LOQ	mg/g	0.100	<LOQ	%
Terpinolene	<LOQ	mg/g	0.100	<LOQ	%

### Pesticides

Date Tested: 04/21/2021 Method: CB-SOP-025 Instrument:

Analyte	Result	Units	LOQ	Result	Analyte	Result	Units	LOQ	Result
Acephate	ND	ppm	0.010		Acetamiprid	ND	ppm	0.010	
Aldicarb	ND	ppm	0.010		Azoxystrobin	ND	ppm	0.010	
Bifenazate	ND	ppm	0.010		Bifenthrin	ND	ppm	0.010	
Boscalid	ND	ppm	0.010		Carbaryl	ND	ppm	0.010	
Carbofuran	ND	ppm	0.010		Chlorantraniliprole	ND	ppm	0.010	
Chlorpyrifos	ND	ppm	0.010		Clofentezine	ND	ppm	0.010	
Coumaphos	ND	ppm	0.010		Daminozide	ND	ppm	0.010	
Diazinon	ND	ppm	0.010		Dichlorvos	ND	ppm	0.010	
Dimethoate	ND	ppm	0.010		Etofenprox	ND	ppm	0.010	
Etoxazole	ND	ppm	0.010		Fenhexamid	ND	ppm	0.010	
Fenoxycarb	ND	ppm	0.010		Fenpyroximate	ND	ppm	0.010	

NT = Not tested, ND = Not detected; LOQ = Limit of Quantitation; <LOQ = Detected; >ULOL = Above upper limit of linearity; CFU/g = Colony forming units per 1 gram; TNTC = Too numerous to count

CannaBusiness Laboratories  
License # P-0059: (859)-514- 6999 <https://www.cannabusinesslabs.us>

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Sample ID: 210414012  
Sample Name: R3L9  
Sample Type: Flower

## Certificate of Analysis

Pesticides							
Date Tested: 04/21/2021		Method: CB-SOP-025		Instrument:			

Analyte	Result	Units	LOQ	Result	Analyte	Result	Units	LOQ	Result
Fipronil	ND	ppm	0.010		Flonicamid	ND	ppm	0.010	
Fludioxonil	ND	ppm	0.010		Hexythiazox	ND	ppm	0.010	
Imazalil	ND	ppm	0.010		Imidacloprid	ND	ppm	0.010	
Malathion	ND	ppm	0.010		Metalaxyl	ND	ppm	0.010	
Methiocarb	ND	ppm	0.010		Methomyl	ND	ppm	0.010	
Myclobutanil	ND	ppm	0.010		Naled	ND	ppm	0.010	
Oxamyl	ND	ppm	0.010		Paclobutrazol	ND	ppm	0.010	
Phosmet	ND	ppm	0.010		Prallethrin	ND	ppm	0.010	
Propiconazole	ND	ppm	0.010		Propoxur	ND	ppm	0.010	
Pyrethrin I	ND	ppm	0.010		Pyrethrin II	ND	ppm	0.010	
Pyridaben	ND	ppm	0.010		Spinetoram	ND	ppm	0.010	
Spiromesifen	ND	ppm	0.010		Spirotetramat	ND	ppm	0.010	
Tebuconazole	ND	ppm	0.010		Thiacloprid	ND	ppm	0.010	
Thiamethoxam	ND	ppm	0.010		Trifloxystrobin	ND	ppm	0.010	
Ethoprophos	ND	ppm	0.010		Kresoxym-methyl	ND	ppm	0.010	
Permethrins	ND	ppm	0.010		Piperonyl Butoxide	ND	ppm	0.010	
Spinosyn A	ND	ppm	0.010		Spiroxamine-1	ND	ppm	0.010	
AbamectinB1a	ND	ppm	0.010		Spinosyn D	ND	ppm	0.010	

Mycotoxins							
Date Tested: 04/21/2021		Method: CB-SOP-025		Instrument:			

Analyte	Result	Units	LOQ	Result	Analyte	Result	Units	LOQ	Result
Ochratoxin A	ND	ppm	0.010		Aflatoxin B1	ND	ppm	0.010	
Aflatoxin G2	ND	ppm	0.010		Aflatoxin B2	ND	ppm	0.010	
Aflatoxin G1	ND	ppm	0.010						

Metals							
Date Tested: 04/21/2021		Method: CB-SOP-027		Instrument:			

Analyte	Result	Units	LOQ	Result	Analyte	Result	Units	LOQ	Result
Arsenic	<LOQ	ppm	0.500		Cadmium	<LOQ	ppm	0.500	
Lead	<LOQ	ppm	0.500		Mercury	<LOQ	ppm	3.000	

Microbial							
Date Tested: 04/22/2021		Method:		Instrument:			

Analyte	Result	Units	LOQ	Result	Analyte	Result	Units	LOQ	Result
STEC (E. coli)	Negative				Salmonella	Negative			
L. monocytogenes	Negative				Yeast/Mold (qPCR)	0	CFUs		



### Authorized Signature

  
Laboratory Manager

Jamie Hobgood

04/27/2021 11:00 AM

Date Time

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