

Ryan F. Quarles
Commissioner



Kentucky Department of Agriculture

Industrial Hemp Pilot Program
Office of Agriculture Marketing
111 Corporate Drive
Frankfort, KY 40601
Phone: (502) 573-0282, opt. 1
Fax: (502) 573-2543

December 5, 2019

Kathy Johnson Sanders
License #19-0819-G
Email Communication

RE: THC Test Results for Your 2019 Industrial Hemp Harvest

Dear Kathy Sanders,

This letter is to notify you of the delta-9 THC test results for the pre-harvest sample(s) taken from your location(s) listed below. Not every sample collected by KDA staff will be selected for immediate testing. According to our THC Testing Protocol, (302 KAR 50:050) at least 50% of samples from non-Certified varieties and 5% of samples from Certified varieties will be selected for immediate testing. Please note the results of your samples in the table below.

	Plot Address	Location ID	Variety or Named Strain	Sample Date	KDA Sample ID	THC Test Results
1	1397 Carpenters Ln.	Port Royal Plants #1	Sweetened	10/23/19	0819-102319-01	0.357%
2	1397 Carpenters Ln.	Port Royal Plants #1	Franklin	10/23/19	0819-102319-02	0.283%

The above test results indicate compliance with the delta-9 THC requirements. Any delta-9 THC results ranging above 0.300% to 0.399% indicate compliance with the transfer requirements; however, if any results are above 0.300%, the hemp variety/strain will be designated as a *VARIETY OF CONCERN*. All new Varieties of Concern will have 100% of the samples tested in 2019 and could be excluded from production in the KDA Hemp Program next year. If other samples were taken from your plots that day, they were not selected for immediate testing and are assumed compliant. Your harvested materials from these plots above are eligible to proceed to the processor. You must wait for further results on any samples collected after the sample dates listed above.

The delta-9 THC content for plants and all hemp materials in the KDA Industrial Hemp Pilot Program should not exceed 0.3%, as outlined in 7 USC § 5940 (the 2014 Federal Farm Bill) and Kentucky Revised Statute 260.850. Remember, any industrial hemp material that enters commerce with a delta-9 THC content above 0.3% is outside the protection of the Federal Farm Bill and is subject to law enforcement action.

Please refer to the KDA document titled *Procedures for Sampling, THC Testing, and Post-testing Actions*, available on our website at www.kyagr.com/hemp, for full details about the protocol. If you have any questions or would like to discuss these results, you can contact me at Doris.Hamilton@ky.gov.

Respectfully,

Doris Hamilton
Industrial Hemp Program Manager



Certificate of Analysis

Customer:

Sample ID:

Order Number:

Sample Name: **JBF T1**

Collected Date:

External Sample ID:

Received Date: **10/7/2020**

Batch Number:

COA Released: **10/9/2020**Product Type: **Flower**Sample Type: **Flower**

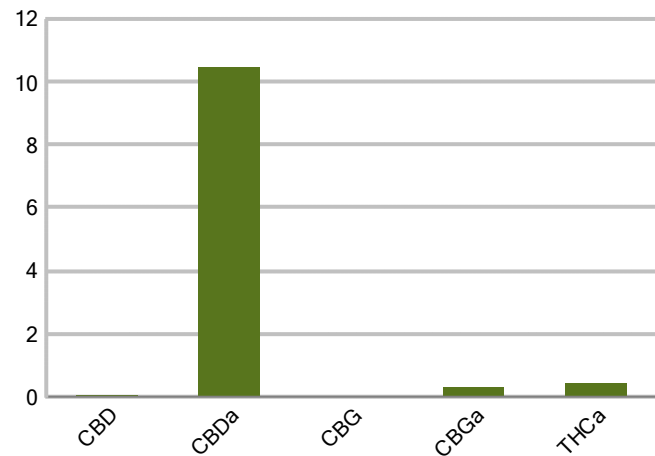
Comments:

CANNABINOID PROFILE

Analyte	LOQ (%)	% weight	mg/g
CBC	0.01	ND	ND
CBD	0.01	0.055	0.549
CBDa	0.01	10.48	104.8
CBDV	0.01	ND	ND
CBG	0.01	0.015	0.151
CBGa	0.01	0.319	3.191
CBN	0.01	ND	ND
d8-THC	0.01	ND	ND
d9-THC	0.01	ND	ND
THCa	0.01	0.420	4.196
Total Cannabinoids		11.28	112.8
Total Potential THC		0.368	3.680
Total Potential CBD		9.242	92.42
Total Potential CBG		0.295	2.952



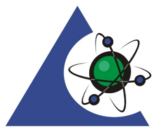
Cannabinoids (% weight)

**Ratio of Total Potential CBD to Total Potential THC 25.11 : 1****Ratio of Total Potential CBG to Total Potential THC 0.80 : 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

Laboratory Manager

Jamie Hobgood

10/09/2020 8:59 AM

DATE

This product has been tested by CannaBusiness Laboratories using validated testing methodologies and a quality system. Values reported relate only to the product tested. CannaBusiness Laboratories makes no claims as to the efficacy, safety, or other risks associated with any detected or non-detected levels of any compounds reported herein. This Certificate shall be reproduced except in full, without the written permission of CannaBusiness Laboratories. Uncertainty information is available on request. Photo is of sample received by the lab and may vary from final packaging. The results apply to the sample as received. ISO/IEC 17025:2017 Accredited.



CannaBusiness Laboratories, LLC

2554 Palumbo Dr. Lexington, KY 40509

Sample ID:
Sample Name: JBF T1
Sample Type: Flower

Certificate of Analysis

Customer

Sanders- Port Royal Plants
Copy



Overall Batch Results

Pesticide N/A	Moisture Content N/A
Potency PASS	Water Activity N/A
Mycotoxins N/A	Heavy Metals N/A
Microbial Screen N/A	Residual Solvents N/A
Terpenoids N/A	

Sample Name: JBF T1

Sample ID:

Product Type: Flower

Sample Type: Flower

Collected Date:

Received Date: 10/07/2020

Batch Number:

Batch Size:

Sample Size:

COA released: 10/09/2020 8:59 AM

Potency (mg/g)

Date Tested: 10/08/2020

Method:

Instrument:

0.368 % Total THC	9.242 % Total CBD	11.28 % Total Cannabinoids	112.8 mg/g Total Cannabinoids
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Analyte	Result	Units	LOQ	Result	Units
CBC (Cannabichromene)	ND	%	0.010	ND	mg/g
CBD (Cannabidiol)	0.055	%	0.010	0.549	mg/g
CBDa (Cannabidiolic Acid)	10.48	%	0.010	104.8	mg/g
CBDV (Cannabidivarin)	ND	%	0.010	ND	mg/g
CBG (Cannabigerol)	0.015	%	0.010	0.151	mg/g
CBGa (Cannabigerolic Acid)	0.319	%	0.010	3.191	mg/g
CBN (Cannabinol)	ND	%	0.010	ND	mg/g
D8-THC (D8-Tetrahydrocannabinol)	ND	%	0.010	ND	mg/g
D9-THC (D9-Tetrahydrocannabinol)	ND	%	0.010	ND	mg/g
THCa (Tetrahydrocannabinolic Acid)	0.420	%	0.010	4.196	mg/g



Authorized Signature

Laboratory Manager

Jamie Hobgood

10/09/2020 8:59 AM

Date Time

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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