



# Certificate of Analysis



**BP21T55**  
**Matrix:** Derivative  
**Accession Number:** 210202KA0002D  
**Harvest/Lot ID:**  
**Seed to Sale:** \*  
**Batch Date:** 02/02/21  
**Batch #:**  
**Sample Size Received:** 1 units  
**Retail Product Size:** 1 units  
**Ordered:** 02/02/21  
**Completed:** 02/04/21  
**Expires:** 02/03/22  
**Sampling Method:** SOP Client Method

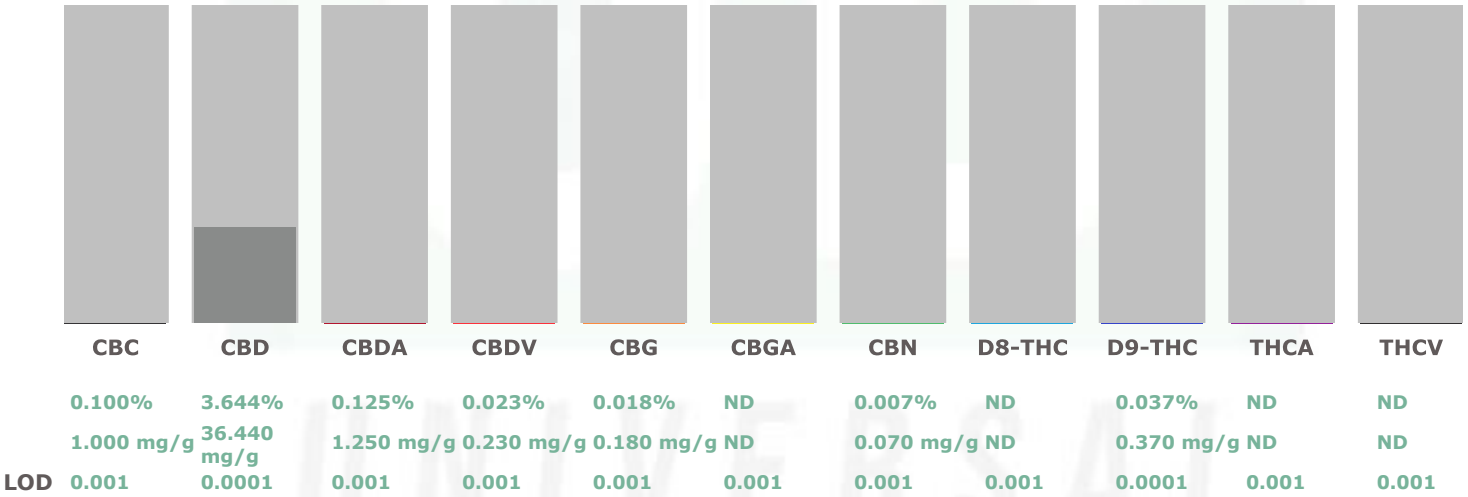
Feb 04, 2021 | Botanical  
Processing LLC

Louisville, Kentucky,  
(502) 742-7151



## CANNABINOID RESULTS

<b>Total THC</b> <b>0.037%</b>	<b>Total CBD</b> <b>3.754%</b>	<b>Total Cannabinoids</b> <b>3.939%</b>
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Full spectrum cannabinoid analysis utilizing High Performance Liquid Chromatography with UV detection (HPLC-PDA). (Method: SOP.KY.02.005) sample prep and Shimadzu High Sensitivity Method SOP.KY.02.012 for analysis. LOQ for all cannabinoids is 1 mg/L. % = %w/w = Percent (Weight of Analyte/Weight Product) Total Cannabinoids result reflects the absolute sum of all cannabinoids detected. \*\*Total Potential THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation Total THC = THC + (THCa\*0.877) Total CBD = CBD + (CBDA\*0.877)

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**David Greene**  
Lab Director  
State License # 19-05-02P

Signature

02/04/21

Signed On



Certificate of Analysis

Mar 17, 2021 | Botanical Processing LLC

Louisville, Kentucky,
(502) 742-7151



BP21T55
Matrix: Derivative
Accession Number: 030921UD0001
Harvest/Lot ID:
Seed to Sale: \*
Batch Date: 03/09/21
Batch #:
Sample Size Received: 1 units
Retail Product Size:
Ordered: 03/09/21
Completed: 03/17/21
Expires: 03/16/22
Sampling Method: SOP Client Method



Table with 12 columns: Pesticides, LLOQ, Result, Units, Action Level, Pass / Fail. Includes a large 'PASSED' label on the right. Lists various pesticides like cis-permethrin, ABAMECTIN B1A, etc., with their respective results (ND or PASS).

Pesticide screen is performed using LC-MS which can screen down to below single digit ppb concentrations for regulated Pesticides. Currently we analyze for 57 Pesticides. (Method: SOP.T.30.060 Sample Preparation for Pesticides Analysis via LCMSMS and SOP.T40.060 Procedure for Pesticide Quantification Using LCMS). \*\*

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David Greene
Lab Director
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03/17/21

Signed On



# Certificate of Analysis

**Botanical Processing LLC**

Louisville, Kentucky,  
**Telephone:** (502) 742-7151  
**Email:** customercare@botanical-



**BP21T55**  
**Matrix:** Derivative  
**Accession Number:** 030921UD0001  
**Harvest/Lot ID:**  
**Seed to Sale: \***  
**Batch Date:** 03/09/21  
**Batch #:**  
**Sample Size Received:** 1 units  
**Retail Product Size:**  
**Ordered:** 03/09/21  
**Completed:** 03/17/21  
**Expires:** 03/16/22  
**Sampling Method:** SOP Client Method

## Mycotoxins PASSED

Analyte	LLOQ	Result	Units	Action Level	Pass / Fail	Analyte	LLOQ	Result	Units	Action Level	Pass / Fail
Aflatoxin B1	0.001	ND	ppm	0.2	PASS	Aflatoxin B2	0.001	ND	ppm	0.2	PASS
Aflatoxin G1	0.001	ND	ppm	0.2	PASS	Aflatoxin G2	0.001	ND	ppm	0.2	PASS
Ochratoxin A+	0.001	ND	ppm	0.2	PASS						

Aflatoxins B1, B2, G1, G2, and Ochratoxins A testing using LC-MS. (Method: SOP.T.30.060 for Sample Preparation and SOP.T40.060 Procedure for Mycotoxins Quantification Using LCMS. LOQ 1.0ppb). Total Aflatoxins (Aflatoxin B1, B2, G1, G2) must be 20g/Kg. Ochratoxins must be 20g/Kg

## Residual Solvents PASSED

Solvent	LLOQ	Result	Units	Action Level (PPM)	Pass/Fail
2-Propanol	60.0	ND	ppm	5000	PASS
Acetone	60	ND	ppm	5000	PASS
Acetonitrile	60	ND	ppm	410	PASS
Butane	200	ND	ppm	5000	PASS
Ethanol	80	ND	ppm	5000	PASS
Ethyl Acetate	60	ND	ppm	5000	PASS
Ethyl Ether	40	ND	ppm	5000	PASS
Heptane	40	ND	ppm	5000	PASS
Hexane	40	ND	ppm	290	PASS
Methanol	40	ND	ppm	3000	PASS
Pentane	60	ND	ppm	5000	PASS
Propane	400	ND	ppm	5000	PASS
Toluene	40	ND	ppm	890	PASS
XYLENES	18.0	ND	ppm	2170	PASS
M/P-Xylene	80	ND	ppm	2170	PASS
O-Xylene	40	ND	ppm	2170	PASS
Total Xylenes	120	ND	ppm	2170	PASS

## Heavy Metals PASSED

Metal	LLOQ	Result	Unit	Action Level	Pass / Fail
Arsenic	0.2	ND	ppm	3	PASS
Cadmium	0.2	ND	ppm	0.3	PASS
Lead	0.2	ND	ppm	10	PASS
Mercury	0.2	ND	ppm	3	PASS

Heavy Metals screening is performed using ICP-MS (Inductively Coupled Plasma – Mass Spectrometer) which can screen down to below single digit ppb concentrations for regulated heavy metals using Method SOP.T.30.052 Sample Preparation for Heavy Metals Analysis via ICP-MS and SOP.T.40.050 Heavy Metals Analysis via ICP-MS. \*Action Limits based on Colorado Regulations.

## Microbials PASSED

Analyte	Result
ASPERGILLUS_FLAVUS .	not present in 1 gram.
ASPERGILLUS_FUMIGATUS .	not present in 1 gram.
ASPERGILLUS_NIGER .	not present in 1 gram.
ASPERGILLUS_TERREUS_1J2 .	not present in 1 gram.
ESCHERICHIA_COLI_SHIGELLA_SPP .	not present in 1 gram.
SALMONELLA_SPECIFIC_GENE .	not present in 1 gram.

Microbiological testing for Fungal and Bacterial Identification via Polymerase Chain Reaction (PCR) method consisting of sample DNA amplified via tandem Polymerase Chain Reaction (PCR) as a crude lysate which avoids purification. (Method SOP.T.40.043) If a pathogenic Escherichia Coli, Salmonella, Aspergillus fumigatus, Aspergillus flavus, Aspergillus niger, or Aspergillus terreus is detected in 1g of a sample, the sample fails the microbiological-impurity testing.

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