BlueLeaf Laboratory
673 N. Bardstown Rd.
Mount Washington, KY, 40047

(502) 444-2044
www.blueleaflaboratory.com
Lic # 19-05-02P

Certificate of Analysis

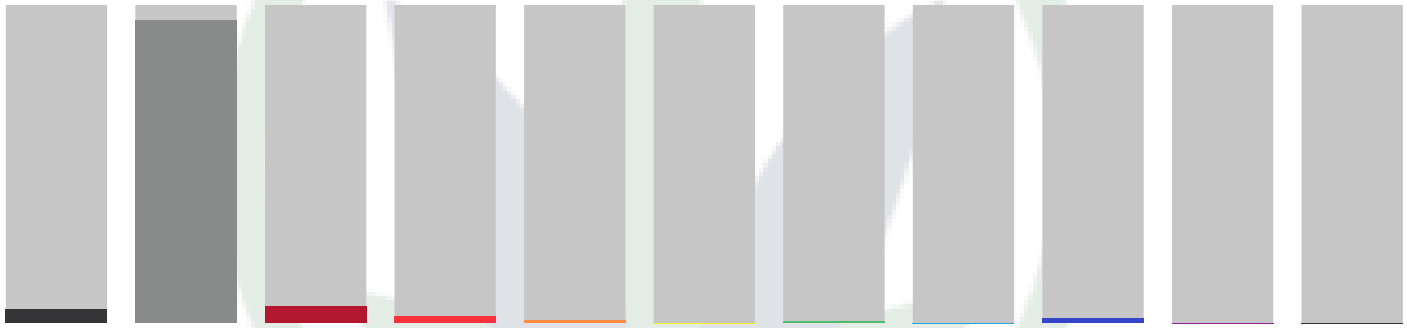
220215
Matrix: Topical
Accession Number: 022422UD0006
Harvest/Lot ID:
Seed to Sale: *
Batch Date: 02/24/22
Batch #:
Sample Size Received: 1 units
Retail Product Size:
Ordered: 02/24/22
Completed: 03/02/22
Expires: 03/01/23
Sampling Method: SOP Client Method

Mar 02,2022 | Botanical Processing LLC

Louisville, Kentucky,
(502) 742-7151

CANNABINOID RESULTS

Total THC	Total CBD	Total Cannabinoids
0.054%	**3.723%**	**4.046%**



	CBC	CBD	CBDA	CBDV	CBG	CBGA	CBN	D8-THC	D9-THC	THCA	THCV
Conc.(wt%)	0.158	3.553	0.194	0.072	0.027	ND	0.012	ND	0.054	ND	ND
Conc.(mg/g)	1.580	35.530	1.940	0.720	0.270	ND	0.120	ND	0.540	ND	ND
LOQ	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001

Analyzed by	Date	Instrument used	Analysis Method
TW	03/01/2022	Shimadzu HPLC w/ PDA	SOP.KY.02.012

Full spectrum cannabinoid analysis utilizing High Performance Liquid Chromatography with UV detection (HPLC-PDA). SOP.KY.02.005 for sample prep and SOP.KY.02.012 for analysis. % = %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)

Daniel Burriss
Lab Director
State License # 19-05-02P
ISO/IEC 17025:2017

PJLA Testing
Accreditation 113856

03/02/22

Signature | Signed On

BlueLeaf Laboratory
673 N. Bardstown Rd.
Mount Washington, KY, 40047

(502) 444-2044
www.blueleaflaboratory.com
Lic # 19-05-02P

Certificate of Analysis

Botanical Processing LLC

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

220215
Matrix: Topical
Accession Number: 032122UD0026
Harvest/Lot ID:
Seed to Sale: *
Batch Date: 03/21/22
Batch #:
Sample Size Received: 1 units
Retail Product Size:
Ordered: 03/21/22
Completed: 03/25/22
COA Expires: 03/24/23
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
Ocratoxin A+	0.001	ND	ppm	0.2	PASS						

Analyzed by	Date	Instrument used	Analysis Method
DB	03/23/2022	Shimadzu LCMSMS 8060	SOP.KY.02.022

Aflatoxins B1, B2, G1, G2, and Ochratoxins A testing using LC/MS/MS. (Method: SOP.KY.02.022)

Heavy Metals — PASSED

Metal	LLOQ	Result	Unit	Action Level	Pass / Fail
Arsenic	0.2	ND	ppm	2	PASS
Cadmium	0.2	ND	ppm	2	PASS
Lead	0.2	ND	ppm	5	PASS
Mercury	0.2	ND	ppm	1	PASS

Analyzed by	Date	Instrument used	Analysis Method
DB	03/23/2022	Shimadzu ICP/MS	SOP.KY.02.020

Heavy Metals screening is performed using ICP-MS (Inductively Coupled Plasma – Mass Spectrometer) which can screen for toxic heavy metals (Arsenic, Cadmium, Lead, and Mercury). (Method SOP.KY.02.020)

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	not present in 1 gram.
E. Coli	not present in 1 gram.
Salmonella	not present in 1 gram.

Analyzed by	Date	Instrument used	Analysis Method
TW	03/24/2022	PathogenDX	SOP.KY.02.018

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.KY.02.018) 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.

Daniel Burriss
Lab Director
State License # 19-05-02P
ISO/IEC 17025:2017

PJLA Testing
Accreditation 113856

Signature

03/25/22
Signed On