



LAB REPORT

Customer: Josh Lofton Farms & Supply LLC
Address: 2205 Aldridge Rd
Cobden, IL 62920

Sample: Abacus Biomass
Type: Hemp

Received: 11/09/2019
Moisture: 14.9%

Lab ID/Sample Report ID: 20191109JLFA

Potency Test Results- WI-001 HPLC-UV

Analysis Date: 11/11/2019

ANALYTE	DRY WEIGHT %	WEIGHT %	CONCENTRATION (mg/g)
CBD	0.6%	0.49%	4.90
CBG	<0.3%	<0.10%	<1.00
CBD-A	15.1%	12.89%	128.90
CBN	<0.3%	<0.10%	<1.00
Delta 9 THC (THC)	<0.3%	0.13%	1.30
Delta 8 THC	<0.3%	<0.10%	<1.00
CBC	<0.3%	<0.10%	<1.00
THC-A	0.6%	0.47%	4.70
THC-V	<0.3%	<0.10%	<1.00
TOTAL	16.3%	13.98%	139.80

Terpene Test Results - GCMS

Analysis Date: 11/11/2019

ANALYTE	CONCENTRATION (ug/g)	ANALYTE	CONCENTRATION (ug/g)
Alpha-Pinene	6925.06	Linalool	703.21
Camphene	N.D.	Fenchyl Alcohol	N.D.
Sabinene	N.D.	Borneol	N.D.
Beta-Pinene	1518.06	Alpha Terpineol (Isomer)	104.94
Beta-Myrcene	7191.89	Gamma Terpineol (Isomer)	N.D.
Alpha-Phellandrene	N.D.	Beta-Caryophyllene	3475.59
Delta-3-Carene	N.D.	Elemene	4882.56
Alpha-Terpinene	N.D.	Alpha-Humulene	786.58
P-Cymene	N.D.	Valencene	N.D.
Limonene	148.56	Cis-Nerolidol	N.D.
Eucalyptol	N.D.	Trans Nerolidol	193.17
Ocimene	710.78	Caryophyllene Oxide	146.93
Gamma-Terpinene	N.D.	Guaiol	N.D.
Sabinene Hydrate	N.D.	Alpha-Bisabolol	976.33
Terpinolene	N.D.		
Fenchone	N.D.		
		Total Terpenes	27763.66

MICROBIOLOGICAL TESTS- WI-010,WI-008, WI-005 3M

Analysis Date: N/A

Total Viable Aerobic Bacteria 10⁴
Total Yeast And Mold 10³
Total Coliform 10²
Bile-Tolerant Gram Negative Bacteria 10²
E-coli (Pathogenic Strains)- no detection in 1 gram
Salmonella- no detection in 1 gram

MYCOTOXIN TESTS- WI-003 Alisa (<20 ug/kg of substance)

Analysis Date: N/A

Aflatoxin B1
Aflatoxin B2
Aflatoxin G1
Aflatoxin G2
Ochratoxin A

PESTICIDE RESIDUE TEST- WI-002 GC/MS (Qualitative)

Analysis Date: N/A

RESIDUAL SOLVENT TEST- WI-004 GC-FID (<10PPM)

Analysis Date: N/A

VISUAL INSPECTION

PASS

Analysis Date: 11/09/2019

N.D. = Non-Detected Values are below the method detection limit

* = Value reported is between the calculated reporting limit (0.2% or 2 mg/g) and the calculated method detection limit (0.10% or 1.0 mg/g)

MDL= Method Detection Limit (0.1% or 1.0 mg/g)

N.D. = Terpene Levels below 100 ug/g

PASS/FAIL = Illinois Register - Illinois Department of Agriculture - Compassionate use of Medical Cannabis Pilot Program

Lab Information

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Signature- *Lindsay Keith*
Lindsay Keith, Lab Manager



Certificate of Analysis

QA SAMPLE - INFORMATIONAL ONLY

2 of 3

ICAL ID: 20200226-044
 Sample: 20021CA145B.5197
 KR02FS-40
 Strain: KR02FS-40
 Category: Concentrates & Extracts

PurBlend Science, Inc.
 Lic. #
 San Diego, CA 92121
 Lic. #

Batch#: Primary Size:
 Total/ Batch Size:
 Collected: 03/02/2020; Received: 03/02/2020
 Completed: 03/02/2020

Residual Solvent Analysis

Category 1	LOQ	LOD	Limit	Status	Category 2	LOQ	LOD	Limit	Status	Category 2	LOQ	LOD	Limit	Status
1,2-Dichloro-Ethane	µg/g	µg/g	µg/g	µg/g	Acetone	µg/g	µg/g	µg/g	Pass	n-Hexane	µg/g	µg/g	µg/g	Pass
Benzene	ND	1	0.5	1	Acetonitrile	ND	300	200	5000	Isopropanol	ND	35	20	290
Chloroform	ND	1	0.5	1	Butane	ND	150	100	410	Methanol	ND	300	200	5000
Ethylene Oxide	ND	1	0.5	1	Ethanol	ND	300	200	5000	Pentane	ND	300	200	5000
Methylene-Chloride	ND	1	0.5	1	Ethyl-Acetate	ND	300	200	5000	Propane	ND	300	200	5000
Trichloroethene	ND	1	0.5	1	Ethyl-Ether	ND	300	200	5000	Toluene	ND	150	100	890
					Heptane	ND	300	200	5000	Xylenes	ND	150	100	2170

NR= Not Reported thus no analysis was performed, ND= Not Detected thus the concentration is less than the Limit of Quantification (LOQ). *analytical instrumentation used=HS-GC-MS*

Heavy Metal Screening

	LOQ	LOD	Limit	Status
Arsenic	µg/g	µg/g	µg/g	µg/g
Cadmium	ND	0.048	0.016	0.2
Lead	ND	0.012	0.004	0.2
Mercury	<LOQ	0.011	0.004	0.5
	ND	0.033	0.011	0.1

NR= Not Reported thus no analysis was performed, ND= Not Detected thus the concentration is less than the Limit of Quantification (LOQ). *analytical instrumentation used=ICP-MS*

Microbiological Screening

	Result	Status
Aspergillus flavus	NR	NT
Aspergillus fumigatus	NR	NT
Aspergillus niger	NR	NT
Aspergillus terreus	NR	NT
shiga toxin-producing E. coli	Not Detected	Pass
Salmonella SPP	Not Detected	Pass

ND= Not Detected; *analytical instrumentation used=qPCR*



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Josh M Swider

Josh Swider
 Lab Director, Managing Partner
 03/02/2020

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