



# Certificate of Analysis

Feb 19, 2021 | Plant Science Laboratories LLC.

649 Wyoming Ave.  
Buffalo, NY, 14215, US

Sample: KN10216006-003  
Harvest/Lot ID: GP-BS-02940-TCT-10000  
Seed to Sale #N/A  
Batch Date :N/A  
Batch#: 1039-01-TCT-10000  
Sample Size Received: 120 ml  
Retail Product Size: 120  
Ordered : 02/16/21  
sampled : 02/16/21  
Completed: 02/19/21 Expires: 02/19/22  
Sampling Method: SOP Client Method

**PASSED**

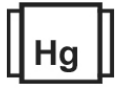
Page 1 of 4



PRODUCT IMAGE SAFETY RESULTS



Pesticides  
**PASSED**



Heavy Metals  
**PASSED**



Microbials  
**PASSED**



Mycotoxins  
**PASSED**



Residuals Solvents  
**PASSED**



Filtration  
**PASSED**



Water Activity  
NOT TESTED



Moisture  
NOT TESTED



Terpenes  
NOT TESTED

MISC.

CANNABINOID RESULTS



Total THC  
**0.254%**

TOTAL THC/Container :305.923 mg



Total CBD  
**8.051%**

TOTAL CBD/Container :9661.728 mg



Total Cannabinoids  
**8.738%**

Total Cannabinoids/Container :10486.800 mg

CBDV	CBDA	CBGA	CBG	CBD	THCV	CBN	D9-THC	D8-THC	CBC	THCA
0.024%	ND	ND	0.145%	8.051%	ND	0.117%	0.241%	ND	0.143%	0.015%
0.240 mg/g	ND	ND	1.450 mg/g	80.510 mg/g	ND	1.170 mg/g	2.410 mg/g	ND	1.430 mg/g	0.150 mg/g
LOD 0.01 %	0.01 %	0.01 %	0.01 %	0.01 %	0.01 %	0.01 %	0.01 %	0.01 %	0.01 %	0.01 %

**Filtration PASSED**

Analyzed By	Weight	Extraction date	Extracted By	NA Result
142	0.6795g	NA		NA
Analyte			LOD	Result
Filtration and Foreign Material			0.3	ND
Analysis Method -SOP.T.40.013		Batch Date : 02/17/21 11:56:13		
Analytical Batch -KN000437FIL		Reviewed On - 02/17/21 16:32:41		
Instrument Used : E-AMS-138 Microscope				

This includes but is not limited to hair, insects, feces, packaging contaminants, and manufacturing waste and by-products. A SW-2T13 Stereo Microscope is used for inspection.

Cannabinoid Profile Test

Analyzed by	Weight	Extraction date :	Extracted By :
113	0.2067g	NA	NA
Analysis Method -Expanded Measurement of Uncertainty: Flower Matrix			
d9-THC:12.7%, THCa: 9.5%, TOTAL THC 11.1%. These uncertainties represent an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor k=2 for a normal distribution.			
Analytical Batch -KN000439POT		Instrument Used : HPLC E-SHI-008	Reviewed On - 02/19/21 14:56:23
			Batch Date : 02/17/21 13:45:37
Reagent	Dilution	Consums. ID	
120320.R02	40	00298878	
020821.R07		190909059	
021521.R03		947.217	
Full spectrum cannabinoid analysis utilizing High Performance Liquid Chromatography with UV detection (HPLC-UV). (Method: SOP.T.30.050 for sample prep and Shimadzu High Sensitivity Method SOP.T.40.020 for analysis.) *Based on FL action limits.			

This report shall not be reproduced, unless in its entirety, without written approval from Kaycha Labs. This report is an Kaycha Labs certification. The results relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. Void after 1 year from test end date. Cannabinoid content of batch material may vary depending on sampling error. IC=In-control QC parameter, NC=Non-controlled QC parameter, ND=Not Detected, NA=Not Analyzed, ppm=Parts Per Million, ppb=Parts Per Billion. Limit of Detection (LoD) and Limit Of Quantitation (LoQ) are terms used to describe the smallest concentration that can be reliably measured by an analytical procedure. RPD=Reproducibility of two measurements. Action Levels are State determined thresholds for human safety for consumption and/or inhalation. The result >99% are variable based on uncertainty of measurement (UM) for the analyte. The UM error is available from the lab upon request. The "Decision Rule" for the pass/fail does not include the UM. The limits are based on F.S. Rule 64-4.310.

Sue Ferguson  
Lab Director  
State License # n/a  
ISO Accreditation #  
17025:2017

*Sue Ferguson*  
Signature

02/19/2021  
Signed On



# Certificate of Analysis

**PASSED**

Plant Science Laboratories LLC.

649 Wyoming Ave.  
Buffalo, NY, 14215, US

Telephone: (716) 836-9520

Email: Paul@plantsciencelabs.com

Sample : KN10216006-003

Harvest/LOT ID: GP-BS-02940-TCT-10000

Batch# : 1039-01-TCT-10000

Sampled : 02/16/21

Ordered : 02/16/21

Sample Size Received : 120 ml

Completed : 02/19/21 Expires: 02/19/22

Sample Method : SOP Client Method


Page 2 of 4



## Pesticides

# PASSED

Pesticides	LOD	Units	Action Level	Result	Pesticides	LOD	Units	Action Level	Result
ABAMECTIN B1A	0.05	ppm	0.3	ND	PIPERONYL BUTOXIDE	0.05	ppm	3	ND
ACEPHATE	0.05	ppm	3	ND	PRALLETHRIN	0.05	ppm	0.4	ND
ACEQUINOCYL	0.05	ppm	2	ND	PROPICONAZOLE	0.05	ppm	1	ND
ACETAMIPRID	0.05	ppm	3	ND	PROPOXUR	0.05	ppm	0.1	ND
ALDICARB	0.05	ppm	0.1	ND	PYRETHRINS	0.05	ppm	1	ND
AZOXYSTROBIN	0.05	ppm	3	ND	PYRIDABEN	0.10	ppm	3	ND
BIFENAZATE	0.05	ppm	3	ND	SPINETORAM	0.05	ppm	3	ND
BIFENTHRIN	0.05	ppm	0.5	ND	SPIROMESIFEN	0.05	ppm	3	ND
BOSCALID	0.05	ppm	3	ND	SPIROTETRAMAT	0.05	ppm	3	ND
CARBARYL	0.05	ppm	0.5	ND	SPIROXAMINE	0.05	ppm	0.1	ND
CARBOFURAN	0.05	ppm	0.1	ND	TEBUCONAZOLE	0.05	ppm	1	ND
CHLORANTRANILIPROLE	0.05	ppm	3	ND	THIACLOPRID	0.05	ppm	0.1	ND
CHLORMEQUAT CHLORIDE	0.05	ppm	3	ND	THIAMETHOXAM	0.05	ppm	1	ND
CHLORPYRIFOS	0.05	ppm	0.1	ND	TOTAL SPINOSAD	0.02	ppm	3	ND
CLOFENTEZINE	0.10	ppm	0.5	ND	TRIFLOXYSTROBIN	0.05	ppm	3	ND
COUMAPHOS	0.05	ppm	0.1	ND					
CYPERMETHRIN	0.05	ppm	1	ND					
DAMINOZIDE	0.05	ppm	0.1	ND					
DIAZANON	0.05	ppm	0.2	ND					
DICHLORVOS	0.05	ppm	0.1	ND					
DIMETHOATE	0.05	ppm	0.1	ND					
DIMETHOMORPH	0.10	ppm	3	ND					
ETHOPROPHOS	0.05	ppm	0.1	ND					
ETOFENPROX	0.05	ppm	0.1	ND					
ETOXAZOLE	0.05	ppm	1.5	ND					
FENHEXAMID	0.05	ppm	3	ND					
FENOXYCARB	0.05	ppm	0.1	ND					
FENPYROXIMATE	0.05	ppm	2	ND					
FIPRONIL	0.05	ppm	0.1	ND					
FLONICAMID	0.05	ppm	2	ND					
FLUDIOXONIL	0.05	ppm	3	ND					
HEXYTHIAZOX	0.05	ppm	2	ND					
IMAZALIL	0.05	ppm	0.1	ND					
IMIDACLOPRID	0.05	ppm	3	ND					
KRESOXIM-METHYL	0.05	ppm	1	ND					
MALATHION	0.05	ppm	2	ND					
METALAXYL	0.05	ppm	3	ND					
METHIOCARB	0.05	ppm	0.1	ND					
METHOMYL	0.05	ppm	0.1	ND					
MEVINPHOS	0.05	ppm	0.1	ND					
MYCLOBUTANIL	0.05	ppm	3	ND					
NALED	0.05	ppm	0.5	ND					
OXAMYL	0.05	ppm	0.5	ND					
PACLOBUTRAZOL	0.05	ppm	0.1	ND					
PERMETHRINS	0.05	ppm	1	ND					
PHOSMET	0.05	ppm	0.2	ND					



### Pesticides

PASSED

---

<b>Analyzed by</b> 143	<b>Weight</b> 1.0127g	<b>Extraction date</b> 02/17/21 10:02:36	<b>Extracted By</b> 143
<b>Analysis Method</b> - SOP.T.30.060, SOP.T.40.060 ,		<b>Reviewed On</b> - 02/17/21 16:32:41	
<b>Analytical Batch</b> - KN000433PES		<b>Batch Date</b> : 02/17/21 09:44:33	
<b>Instrument Used</b> : E-SHI-125 Pesticides			
<b>Running On</b> : 02/17/21 15:46:23			

---

<b>Reagent</b>	<b>Dilution</b>	<b>Consums. ID</b>
012721.A03 020121.A03 016121.A04 021612.A09	10	P7364369 00299697

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). Analytes ISO pending. \*Based on FL action limits. \*

This report shall not be reproduced, unless in its entirety, without written approval from Kaycha Labs. This report is an Kaycha Labs certification. The results relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. Void after 1 year from test end date. Cannabinoid content of batch material may vary depending on sampling error. IC=In-control QC parameter, NC=Non-controlled QC parameter, ND=Not Detected, NA=Not Analyzed, ppm=Parts Per Million, ppb=Parts Per Billion. Limit of Detection (LoD) and Limit Of Quantitation (LoQ) are terms used to describe the smallest concentration that can be reliably measured by an analytical procedure. RPD=Reproducibility of two measurements. Action Levels are State determined thresholds for human safety for consumption and/or inhalation. The result >99% are variable based on uncertainty of measurement (UM) for the analyte. The UM error is available from the lab upon request. The "Decision Rule" for the pass/fail does not include the UM. The limits are based on F.S. Rule 64-4.310.

**Sue Ferguson**  
Lab Director  
State License # n/a  
ISO Accreditation #  
17025:2017

*Sue Ferguson*  
Signature

02/19/2021  
Signed On



# Certificate of Analysis

**PASSED**

Plant Science Laboratories LLC.

649 Wyoming Ave.  
Buffalo, NY, 14215, US

Telephone: (716) 836-9520

Email: Paul@plantsciencelabs.com

Sample : KN10216006-003

Harvest/LOT ID: GP-BS-02940-TCT-10000

Batch# : 1039-01-TCT-10000

Sampled : 02/16/21

Ordered : 02/16/21

Sample Size Received : 120 ml

Completed : 02/19/21 Expires: 02/19/22


Sample Method : SOP Client Method

Page 3 of 4



## Residual Solvents

PASSED



## Residual Solvents

PASSED

Solvent	LOD	Units	Action Level (PPM)	Pass/Fail	Result
PROPANE	500	ppm	5000	PASS	ND
BUTANES (N-BUTANE)	500	ppm	5000	PASS	ND
METHANOL	25	ppm	3000	PASS	ND
ETHYLENE OXIDE	0.5	ppm	5	PASS	ND
PENTANES (N-PENTANE)	75	ppm	750	PASS	ND
ETHANOL	500	ppm	5000	PASS	ND
ETHYL ETHER	50	ppm	500	PASS	ND
1,1-DICHLOROETHENE	0.8	ppm	8	PASS	ND
ACETONE	75	ppm	750	PASS	ND
2-PROPANOL	50	ppm	500	PASS	ND
ACETONITRILE	6	ppm	60	PASS	ND
DICHLOROMETHANE	12.5	ppm	125	PASS	ND
N-HEXANE	25	ppm	250	PASS	ND
ETHYL ACETATE	40	ppm	400	PASS	ND
CHLOROFORM	0.2	ppm	2	PASS	ND
BENZENE	0.1	ppm	1	PASS	ND
1,2-DICHLOROETHANE	0.2	ppm	2	PASS	ND
HEPTANE	500	ppm	5000	PASS	ND
TRICHLOROETHYLENE	2.5	ppm	25	PASS	ND
TOLUENE	15	ppm	150	PASS	ND
XYLENES-M&P (1,3&1,4-DIMETHYLBENZENE)	10	ppm	150	PASS	ND
XYLENES-O (1,2-DIMETHYLBENZENE)	5	ppm	150	PASS	ND

**Analyzed by** 138  
**Weight** 0.02833g  
**Extraction date** NA  
**Extracted By** NA  
**Analysis Method -SOP.T.40.032**  
**Analytical Batch -KN000443SOL**  
**Instrument Used : E-SHI-106 Residual Solvents**  
**Running On : 02/19/21 09:03:10**  
**Batch Date : 02/18/21 11:23:41**

Reagent	Dilution	Consums. ID
Residual solvents screening is performed using GC-MS which can detect below single digit ppm concentrations. Currently we analyze for 22 residual solvents. (Method: SOP.T.40.032 Residual Solvents Analysis via GC-MS). Analytes ISO pending. *Based on FL action limits.		

This report shall not be reproduced, unless in its entirety, without written approval from Kaycha Labs. This report is an Kaycha Labs certification. The results relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. Void after 1 year from test end date. Cannabinoid content of batch material may vary depending on sampling error. IC=In-control QC parameter, NC=Non-controlled QC parameter, ND=Not Detected, NA=Not Analyzed, ppm=Parts Per Million, ppb=Parts Per Billion. Limit of Detection (LoD) and Limit Of Quantitation (LoQ) are terms used to describe the smallest concentration that can be reliably measured by an analytical procedure. RPD=Reproducibility of two measurements. Action Levels are State determined thresholds for human safety for consumption and/or inhalation. The result >99% are variable based on uncertainty of measurement (UM) for the analyte. The UM error is available from the lab upon request. The "Decision Rule" for the pass/fail does not include the UM. The limits are based on F.S. Rule 64-4.310.

**Sue Ferguson**  
Lab Director  
State License # n/a  
ISO Accreditation # 17025:2017

*Sue Ferguson*  
Signature

02/19/2021

Signed On



# Certificate of Analysis

**PASSED**

Plant Science Laboratories LLC.

649 Wyoming Ave.  
Buffalo, NY, 14215, US

Telephone: (716) 836-9520

Email: Paul@plantsciencelabs.com

Sample : KN10216006-003

Harvest/LOT ID: GP-BS-02940-TCT-10000

Batch# : 1039-01-TCT-10000

Sampled : 02/16/21

Ordered : 02/16/21

Sample Size Received : 120 ml

Completed : 02/19/21 Expires: 02/19/22

Sample Method : SOP Client Method

Page 4 of 4



**Microbials**

PASSED



**Mycotoxins**

PASSED

Analyte	LOD	Result	Analyte	LOD	Units	Result	Action Level (PPM)
ESCHERICHIA_COLI_SHIGELLA_SPP		not present in 1 gram.	AFLATOXIN G2	0.005	ppm	ND	0.02
SALMONELLA_SPECIFIC_GENE		not present in 1 gram.	AFLATOXIN G1	0.005	ppm	ND	0.02
ASPERGILLUS_FLAVUS		not present in 1 gram.	AFLATOXIN B2	0.005	ppm	ND	0.02
ASPERGILLUS_FUMIGATUS		not present in 1 gram.	AFLATOXIN B1	0.005	ppm	ND	0.02
ASPERGILLUS_NIGER		not present in 1 gram.	OCHRATOXIN A+	0.005	ppm	ND	0.02
ASPERGILLUS_TERREUS		not present in 1 gram.	TOTAL MYCOTOXINS		ppm	0.000	

Analysis Method -SOP.T.40.043  
Analytical Batch -KN000441MIC Batch Date : 02/17/21  
Instrument Used : Micro E-HEW-069  
Running On : 02/18/21

Analyzed by	Weight	Extraction date	Extracted By
142	1.0484g	NA	NA

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.

Analysis Method -SOP.T.30.060, SOP.T.40.060  
Analytical Batch -KN000434MYC | Reviewed On - 02/19/21 10:04:38  
Instrument Used : E-SHI-125 Mycotoxins  
Running On : 02/17/21 15:46:20  
Batch Date : 02/17/21 09:44:56

Analyzed by	Weight	Extraction date	Extracted By
143	1.0127g	02/17/21 03:02:36	143

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 1.0 ppb). Total Aflatoxins (Aflatoxin B1, B2, G1, G2) must be <20µg/Kg. Ochratoxins must be <20µg/Kg. Analytes ISO pending. \*Based on FL action limits.



**Heavy Metals**

PASSED

Reagent	Dilution	Consums. ID
122820.02	50	7226/0030021
020421.R05		201015060
011521.R01		
020921.R14		
123020.R01		
012221.R14		

Metal	LOD	Unit	Result	Action Level (PPM)
ARSENIC-AS	0.04	ppm	ND	1.5
CADMIUM-CD	0.04	ppm	ND	0.5
MERCURY-HG	0.04	ppm	ND	3
LEAD-PB	0.04	ppm	ND	0.5

Analyzed by	Weight	Extraction date	Extracted By
12	0.26g	NA	NA

Analysis Method -SOP.T.40.050, SOP.T.30.052  
Analytical Batch -KN000442HEA | Reviewed On - 02/19/21 11:58:24  
Instrument Used : Metals ICP/MS  
Running On :  
Batch Date : 02/17/21 17:06:30

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. Analytes ISO Pending. \*Based on FL action limits.

This report shall not be reproduced, unless in its entirety, without written approval from Kaycha Labs. This report is an Kaycha Labs certification. The results relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. Void after 1 year from test end date. Cannabinoid content of batch material may vary depending on sampling error. IC=In-control QC parameter, NC=Non-controlled QC parameter, ND=Not Detected, NA=Not Analyzed, ppm=Parts Per Million, ppb=Parts Per Billion. Limit of Detection (LoD) and Limit Of Quantitation (LoQ) are terms used to describe the smallest concentration that can be reliably measured by an analytical procedure. RPD=Reproducibility of two measurements. Action Levels are State determined thresholds for human safety for consumption and/or inhalation. The result >99% are variable based on uncertainty of measurement (UM) for the analyte. The UM error is available from the lab upon request. The "Decision Rule" for the pass/fail does not include the UM. The limits are based on F.S. Rule 64-4.310.

**Sue Ferguson**

Lab Director

State License # n/a  
ISO Accreditation #  
17025:2017



Signature

02/19/2021

Signed On