



# Certificate of Analysis

Sample: M001221030-001  
Harvest/Lot ID: BF001GG120320500PT  
Seed to Sale #N/A  
Batch Date : 12/03/20  
Batch#: BF001GG120320500PT  
Sample Size Received: 30 ml  
Retail Product Size: 30  
Ordered : 12/15/20  
Sampled : 12/15/20  
Completed: 12/29/20 Expires: 12/29/21  
Sampling Method: SOP Client Method

Dec 29, 2020 | UNEEK Botanicals

160 Industrial Dr  
Attalla, AL, 35954, US



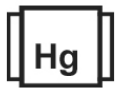
**PASSED**

Page 1 of 5

### 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  
**TESTED**

MISC.

### CANNABINOID RESULTS



Total THC  
**0.045%**



Total CBD  
**1.715%**



Total Cannabinoids  
**1.860%**

D9-THC	THCA	CBD	CBDA	D8-THC	THCV	CBN	CBDV	CBC	CBG	CBGA
0.045%	ND	1.608%	0.123%	ND	ND	ND	0.011%	0.046%	0.027%	ND
0.450 mg/g	ND	16.079 mg/g	1.230 mg/g	ND	ND	ND	0.110 mg/g	0.460 mg/g	0.270 mg/g	ND
LOD 0.0001 %	0.001 %	0.0001 %	0.001 %	0.001 %	0.001 %	0.001 %	0.001 %	0.001 %	0.001 %	0.001 %

**Filtration PASSED**

Analyzed By: 564  
Weight: 1 g  
Extraction date: 12/22/20  
Extracted By: 564  
Analyte: Filth and Foreign Material  
LOD: 0.3  
Result: ND  
Analysis Method -SOP.T.40.013  
Batch Date : 12/22/20 10:15:50  
Analytical Batch -M0001574FIL  
Reviewed On - 12/22/20 11:41:19  
Instrument Used : Microscope

This includes but is not limited to hair, insects, feces, packaging contaminants, and manufacturing waste and by-products. An SH-2B/T Stereo Microscope is used for inspection.

### Cannabinoid Profile Test

Analyzed by: 19  
Weight: 1.5271g  
Extraction date : 12/22/20 03:12:42  
Reviewed On - 12/29/20 09:32:32  
Instrument Used : HPLC Potency Analyzer  
Batch Date : 12/22/20 15:09:23

Reagent Dilution Consums. ID

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. LOQ for all cannabinoids is 1 mg/L). Measurement of Uncertainty: 2.7%

This report shall not be reproduced, unless in its entirety, without written approval from Universal Diagnostic Labs. This report is an Universal Diagnostic 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.

David Greene  
Lab Director

State License # 19-05-02P  
ISO Accreditation # .

Signature

01/04/2021

Signed On



# Certificate of Analysis

**PASSED**

UNEEK Botanicals

160 Industrial Dr  
Attalla, AL, 35954, US

Telephone: 205-490-8043

Email:  
customerservice@uneekbotanicals.com

Sample : MO01221030-001

Harvest/LOT ID: BF001GG120320500PT

Batch# :  
BF001GG120320500PT

Sampled : 12/15/20

Ordered : 12/15/20

Sample Size Received : 30 ml

Completed : 12/29/20 Expires: 12/29/21

Sample Method : SOP Client Method

Page 2 of 5



## Terpenes

**TESTED**

Terpenes	LOD	Units	Result (%)	Terpenes	LOD	Units	Result (%)
ALPHA-PHELLANDRENE	0.005	%	ND	CIS-NEROLIDOL	0.005	%	ND
FENCHONE	0.01	%	ND	3-CARENE	0.005	%	ND
GAMMA-TERPINENE	0.005	%	ND	FENCHYL ALCOHOL	0.005	%	ND
GERANIOL	0.005	%	ND	HEXAHYDROT HYMOL	0.005	%	0.028
GERANYL ACETATE	0.01	%	ND	EUCALYPTOL	0.005	%	ND
GUAIAOL	0.005	%	ND	ISOBORNEOL	0.005	%	ND
LIMONENE	0.005	%	ND				
LINALOOL	0.01	%	ND				
NEROL	0.005	%	ND				
OCIMENE	0.005	%	ND				
PULEGONE	0.005	%	ND				
SABINENE	0.005	%	ND				
SABINENE HYDRATE	0.01	%	ND				
TERPINEOL	0.005	%	ND				
TERPINOLENE	0.005	%	ND				
TRANS-CARYOPHYLLENE	0.005	%	0.007				
TRANS-NEROLIDOL	0.005	%	ND				
VALENCENE	0.005	%	ND				
CEDROL	0.005	%	ND				
ALPHA-HUMULENE	0.005	%	ND				
ALPHA-PINENE	0.005	%	ND				
ALPHA-TERPINENE	0.005	%	ND				
BETA-MYRCENE	0.005	%	ND				
BETA-PINENE	0.005	%	ND				
BORNEOL	0.01	%	ND				
CAMPHENE	0.005	%	ND				
CAMPHOR	0.01	%	ND				
CARYOPHYLLENE OXIDE	0.005	%	ND				
ALPHA-CEDRENE	0.005	%	ND				
ALPHA-BISABOLOL	0.005	%	ND				
ISOPULEGOL	0.01	%	ND				
<b>Total</b>		0.035					

Terpenes
TESTED

**Analyzed by** 18    **Weight** 1.001g    **Extraction date** 12/21/20 03:12:37    **Extracted By** 18

**Analysis Method** -SOP.T.40.090  
**Analytical Batch** -MO001569TER    **Reviewed On** - 12/23/20 12:24:25  
**Instrument Used** : GCMS8050 with Liquid Handler  
**Running On** :  
**Batch Date** : 12/21/20 15:21:22

Reagent	Dilution	Consums. ID
Terpenoid profile screening is performed using GC-MS/MS TQ-8040 with Liquid Injection (Gas Chromatography - Mass Spectrometer Triple Quad) which can screen 37 terpenes using Method SOP.T.40.091 Terpenoid Analysis Via GC-MS/MS.		

This report shall not be reproduced, unless in its entirety, without written approval from Universal Diagnostic Labs. This report is an Universal Diagnostic 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.

**David Greene**  
Lab Director

State License # 19-05-02P    *DLG*    01/04/2021  
ISO Accreditation # .    Signature    Signed On



673 N. Bardstown Rd  
Mount Washington, KY, 40047, US

# Certificate of Analysis

**PASSED**

**UNEEK Botanicals**

160 Industrial Dr  
Attalla, AL, 35954, US

Telephone: 205-490-8043

Email:  
customerservice@uneekbotanicals.com

Sample : M001221030-001

Harvest/LOT ID: BF001GG120320500PT

Batch# :  
BF001GG120320500PT

Sample Size Received : 30 ml

Completed : 12/29/20 Expires: 12/29/21

Sample Method : SOP Client Method

Page 3 of 5

## Pesticides

# PASSED

Pesticides	LOD	Units	Action Level	Result	Pesticides	LOD	Units	Action Level	Result
ABAMECTIN B1A	0.020	ppm	0.5	ND	PROPICONAZOLE	0.010	ppm	0.4	ND
ACEPHATE	0.010	ppm	0.5	ND	PROPOXUR	0.010	ppm	0.2	ND
ACEQUINOCYL	0.02	ppm	2	ND	PYRETHRIN I	0.010	ppm	1	ND
ACETAMIPRID	0.010	ppm	0.2	ND	PYRIDABEN	0.005	ppm	0.2	ND
ALDICARB	0.020	ppm	0.4	ND	SPINETORAM	0.005	ppm	0.5	ND
AZOXYSTROBIN	0.010	ppm	0.2	ND	SPINOSAD (SPINOSYN A)	0.010	ppm	0.2	ND
BIFENAZATE	0.010	ppm	0.2	ND	SPINOSAD (SPINOSYN D)	0.010	ppm	0.2	ND
BOSCALID	0.005	ppm	0.4	ND	SPIROMESIFEN	0.010	ppm	0.2	ND
CARBARYL	0.010	ppm	0.2	ND	SPIROTETRAMAT	0.020	ppm	0.2	ND
CARBOFURAN	0.010	ppm	0.2	ND	SPIROXAMINE	0.010	ppm	0.4	ND
CHLORANTRANILIPROLE	0.010	ppm	0.2	ND	TEBUCONAZOLE	0.010	ppm	0.4	ND
CHLORPYRIFOS	0.010	ppm	0.2	ND	THIACLOPRID	0.010	ppm	0.2	ND
CLOFENTEZINE	0.010	ppm	0.2	ND	THIAMETHOXAM	0.010	ppm	0.5	ND
COUMAPHOS	0.005	ppm	0.2	ND	TRIFLOXYSTROBIN	0.010	ppm	0.2	ND
CYPERMETHRIN	0.010	ppm	1	ND					
DAMINOZIDE	0.010	ppm	1	ND					
DIAZANON	0.010	ppm	0.2	ND					
DICHLORVOS	0.050	ppm	0.1	ND					
DIMETHOATE	0.010	ppm	0.2	ND					
DIMETHOMORPH	0.005	ppm	0.1	ND					
ETHOPROPHOS	0.010	ppm	0.2	ND					
ETOFENPROX	0.010	ppm	0.4	ND					
ETOXAZOLE	0.010	ppm	0.2	ND					
FENHEXAMID	0.005	ppm	0.1	ND					
FENOXYCARB	0.010	ppm	0.2	ND					
FENPYROXIMATE	0.010	ppm	0.4	ND					
FIPRONIL	0.020	ppm	0.4	ND					
FLONICAMID	0.010	ppm	1	ND					
FLUDIOXONIL	0.010	ppm	0.4	ND					
HEXYTHIAZOX	0.010	ppm	1	ND					
IMAZALIL	0.010	ppm	0.2	ND					
IMIDACLOPRID	0.010	ppm	0.4	ND					
KRESOXIM-METHYL	0.010	ppm	0.4	ND					
MALATHION	0.010	ppm	0.2	ND					
METALAXYL	0.010	ppm	0.2	ND					
METHIOCARB	0.010	ppm	0.2	ND					
METHOMYL	0.010	ppm	0.6	ND					
MEVINPHOS	0.010	ppm	0.1	ND					
MYCLOBUTANIL	0.010	ppm	0.2	ND					
NALED	0.010	ppm	0.5	ND					
OXAMYL	0.010	ppm	1	ND					
PACLOBUTRAZOL	0.010	ppm	0.4	ND					
PERMETHRINS	0.050	ppm	1	ND					
PHOSMET	0.010	ppm	0.2	ND					
PIPERONYL BUTOXIDE	0.010	ppm	3	ND					
PRALLETHRIN	0.010	ppm	0.2	ND					

**Pesticides**
PASSED

---

Analyzed by NA	Weight NA	Extraction date NA	Extracted By NA
Analysis Method - SOP.T.30.060, SOP.T.40.060 ,		Reviewed On- 12/22/20 11:41:19	
Analytical Batch -			
Instrument Used :			
Running On :			
Batch Date :			

---

Reagent	Dilution	Consums. ID
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). *		

This report shall not be reproduced, unless in its entirety, without written approval from Universal Diagnostic Labs. This report is an Universal Diagnostic 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.

**David Greene**  
Lab Director

State License # 19-05-02P  
ISO Accreditation # .

Signature

01/04/2021

Signed On





# Certificate of Analysis

**PASSED**

**UNEK Botanicals**

160 Industrial Dr  
Attalla, AL, 35954, US

**Telephone:** 205-490-8043

**Email:**  
customerservice@unekbotanicals.com

**Sample :** MO01221030-001

**Harvest/LOT ID:** BF001GG120320500PT

**Batch# :**  
BF001GG120320500PT

**Sample Size Received :** 30 ml

**Completed :** 12/29/20 **Expires:** 12/29/21

**Sampled :** 12/15/20

**Ordered :** 12/15/20

**Sample Method :** SOP Client Method

**Page 4 of 5**

## Residual Solvents

PASSED

## Residual Solvents

PASSED

Solvent	LOD	Units	Action Level (PPM)	Pass/Fail	Result
TRICHLOROETHENE	3	ppm	80	PASS	ND
CHLOROFORM	0.24	ppm	60	PASS	ND
1,2-DICHLOROETHENE	0.24	ppm	1870	PASS	ND
1,1-DICHLOROETHENE	2	ppm	8	PASS	ND
PENTANES	90	ppm	2500	PASS	ND
BUTANES (N-BUTANE)	50	ppm	5000	PASS	ND
ACETONITRILE	7.2	ppm	410	PASS	ND
ACETONE	90	ppm	5000	PASS	ND
2-PROPANOL	60	ppm	5000	PASS	ND
HEXANES	6	ppm	290	PASS	ND
XYLENES	18	ppm	2170	PASS	ND
TOLUENE	18	ppm	1068	PASS	ND
PROPANE	80	ppm	5000	PASS	ND
METHANOL	30	ppm	3000	PASS	ND
HEPTANE	60	ppm	4000	PASS	ND
XYLENES-P (1,4-DIMETHYLBENZENE)	18	ppm	2170	PASS	ND
ETHYLENE OXIDE	0.6	ppm	50	PASS	ND
XYLENES-M (1,3-DIMETHYLBENZENE)	18	ppm	2170	PASS	ND
ETHYL ETHER	60	ppm	5000	PASS	ND
XYLENES-O (1,2-DIMETHYLBENZENE)	18	ppm	2170	PASS	ND
ETHYL ACETATE	48	ppm	5000	PASS	ND
ETHANOL	120	ppm	5000	PASS	ND
DICHLOROMETHANE	15	ppm	600	PASS	ND

**Analyzed by** 18     **Weight** 0.025g     **Extraction date** 12/21/20 03:12:57     **Extracted By** 18

**Analysis Method** -SOP.T.40.032  
**Analytical Batch** -MO001567SOL     **Reviewed On** - 12/22/20 09:09:25  
**Instrument Used** : GCMS2010  
**Running On** :  
**Batch Date** : 12/21/20 15:18:22

Reagent	Dilution	Consums. ID
Residual solvents screening is performed using GC-MS which can detect below single digit ppm concentrations. Currently we analyze for 33 Residual solvents. (Method: SOP.T.30.042 Residual Solvents Analysis via GC-MS).		

This report shall not be reproduced, unless in its entirety, without written approval from Universal Diagnostic Labs. This report is an Universal Diagnostic 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.

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

Signature

01/04/2021  
Signed On



# Certificate of Analysis

**PASSED**

**UNEEK Botanicals**

160 Industrial Dr  
Attalla, AL, 35954, US

**Telephone:** 205-490-8043

**Email:**  
customerservice@uneekbotanicals.com

**Sample :** M001221030-001  
**Harvest/LOT ID:** BF001GG120320500PT

**Batch# :** BF001GG120320500PT  
**Sampled :** 12/15/20  
**Ordered :** 12/15/20

**Sample Size Received :** 30 ml  
**Completed :** 12/29/20 **Expires:** 12/29/21  
**Sample Method :** SOP Client Method

**Page 5 of 5**

Microbials

PASSED

Mycotoxins

PASSED

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

**Analysis Method -SOP.T.40.043**  
**Analytical Batch -NA Batch Date :**  
**Instrument Used :**  
**Running On :**

Analyzed by	Weight	Extraction date	Extracted By
NA	NA	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.

Analyte	LOD	Units	Result	Action Level (PPM)
AFLATOXIN G2	0.001	ppm	ND	0.02
AFLATOXIN G1	0.001	ppm	ND	0.02
AFLATOXIN B2	0.001	ppm	ND	0.02
AFLATOXIN B1	0.001	ppm	ND	0.02
OCHRATOXIN A+	0.001	ppm	ND	0.02

**Analysis Method -SOP.T.30.060, SOP.T.40.060**  
**Analytical Batch - | Reviewed On - 12/23/20 11:59:17**  
**Instrument Used :**  
**Running On :**  
**Batch Date :**

Analyzed by	Weight	Extraction date	Extracted By
NA	NA	NA	NA

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.

Heavy Metals

PASSED

**Reagent**  
110119.52  
110119.44  
112519.01  
110119.36

Metal	LOD	Unit	Result	Action Level (PPM)
ARSENIC	0.02	ppm	ND	10
CADMIUM	0.02	ppm	ND	4.1
LEAD	0.02	ppm	ND	10
MERCURY	0.02	ppm	ND	2

Analyzed by	Weight	Extraction date	Extracted By
18	0.512g	12/21/20 03:12:22	18

**Analysis Method -SOP.T.40.050, SOP.T.30.052**  
**Analytical Batch -M0001566HEA | Reviewed On - 12/22/20 10:10:28**  
**Instrument Used : ICP-MS 2030**  
**Running On :**  
**Batch Date : 12/21/20 15:14:11**

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.

This report shall not be reproduced, unless in its entirety, without written approval from Universal Diagnostic Labs. This report is an Universal Diagnostic 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.

**David Greene**  
Lab Director

State License # 19-05-02P  
ISO Accreditation # .

Signature

01/04/2021

Signed On