



# Certificate of Analysis

Sample:KN21117004-001  
Harvest/Lot ID: SZ870228-FS12-2247  
Batch#: SZ870228-FS12-2247  
Seed to Sale# N/A  
Batch Date: 11/15/22  
Sample Size Received: 10 ml  
Total Batch Size: N/A  
Retail Product Size: 30 ml  
Ordered : 11/15/22  
Sampled : 11/15/22  
Completed: 11/22/22  
Sampling Method: N/A

**PASSED**

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Nov 22, 2022 | Green Flower Botanicals

1049 E. Brandon Blvd.  
Brandon, FL, 33511, US



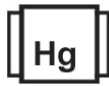
PRODUCT IMAGE



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**

**PASSED**



Total THC  
**0.2578%**



Total CBD  
**14.6233%**



Total Cannabinoids  
**15.9936%**

	CBDV	CBDa	CBGA	CBG	CBD	THCV	CBN	EXO-THC	D9-THC	D8-THC	D10-THC	CBC	THCA	D8-THCO	D9-THCO	THC-O
%	0.0869	0.0793	ND	0.4217	14.6551	ND	0.0511	ND	0.2578	<0.01	ND	0.543	<0.01	ND	ND	ND
mg/ml	0.8342	0.7612	ND	4.0483	140.6889	ND	0.4905	ND	2.4748	<0.096	ND	5.2128	<0.096	ND	ND	ND
LOD	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%

Analyzed by: 2368, 2657, 12      Weight: 0.2012g      Extraction date: 11/18/22 15:14:39      Extracted by: 2657

Analysis Method : SOP.T.30.031.TN & SOP.T.40.031.TN 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 : KN003148POT  
Instrument Used : HPLC E-SHI-008  
Running on : N/A

Reviewed On : 11/22/22 15:14:03  
Batch Date : 11/17/22 13:11:27

Dilution : N/A  
Reagent : 062422.01; 100422.02; 110322.R02; 111622.R03; 102422.06; 100522.02  
Consumables : 294108110; 22/04/01; n/a; 239146; 947B9291.100; 220325059-D; IP250.100  
Pipette : E-GIL-010; E-EPP-081

Full spectrum cannabinoid analysis utilizing High Performance Liquid Chromatography with UV/PDA detection (HPLC-UV/PDA). All cannabinoids have an LOQ of 0.01%.

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**Sue Ferguson**

Lab Director

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



Signature

11/22/22

Signed On



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Brandon, FL, 33511, US  
Telephone: (813) 906-1204  
Email: LABS@GREENFLOWERBOTANICALS.COM

Sample : KN21117004-001  
Harvest/Lot ID: SZ870228-FS12-2247

Batch# : SZ870228-FS12-2247 Sample Size Received : 10 ml  
Sampled : 11/15/22 Total Batch Size : N/A  
Ordered : 11/15/22 Completed : 11/22/22 Expires: 11/22/23  
Sample Method : SOP Client Method

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## Pesticides

**PASSED**

Pesticide	LOD	Units	Action Level	Pass/Fail	Result	Pesticide	LOD	Units	Action Level	Pass/Fail	Result
ABAMECTIN B1A	0.01	ppm	0.3	PASS	ND	PIPERONYL BUTOXIDE	0.01	ppm	3	PASS	ND
ACEPHATE	0.01	ppm	3	PASS	ND	PRALLETHRIN	0.01	ppm	0.4	PASS	ND
ACEQUINOCYL	0.01	ppm	2	PASS	ND	PROPICONAZOLE	0.01	ppm	1	PASS	ND
ACETAMIPRID	0.01	ppm	3	PASS	ND	PROPOXUR	0.01	ppm	0.1	PASS	ND
ALDICARB	0.01	ppm	0.1	PASS	ND	PYRETHRINS	0.01	ppm	1	PASS	ND
AZOXYSTROBIN	0.01	ppm	3	PASS	ND	PYRIDABEN	0.01	ppm	3	PASS	ND
BIFENAZATE	0.01	ppm	3	PASS	ND	SPINETORAM	0.01	ppm	3	PASS	ND
BIFENTHRIN	0.01	ppm	0.5	PASS	ND	SPIROMESIFEN	0.01	ppm	3	PASS	ND
BOSCALID	0.01	ppm	3	PASS	ND	SPIROTETRAMAT	0.01	ppm	3	PASS	ND
CARBARYL	0.01	ppm	0.5	PASS	ND	SPIROXAMINE	0.01	ppm	0.1	PASS	ND
CARBOFURAN	0.01	ppm	0.1	PASS	ND	TEBUCONAZOLE	0.01	ppm	1	PASS	ND
CHLORANTRANILIPROLE	0.01	ppm	3	PASS	ND	THIACLOPRID	0.01	ppm	0.1	PASS	ND
CHLORMEQUAT CHLORIDE	0.01	ppm	3	PASS	ND	THIAMETHOXAM	0.01	ppm	1	PASS	ND
CHLORPYRIFOS	0.01	ppm	0.1	PASS	ND	TOTAL SPINOSAD	0.01	ppm	3	PASS	ND
CLOFENTEZINE	0.01	ppm	0.5	PASS	ND	TRIFLOXYSTROBIN	0.01	ppm	3	PASS	ND
COUMAPHOS	0.01	ppm	0.1	PASS	ND						
CYPERMETHRIN	0.01	ppm	1	PASS	ND						
DAMINOZIDE	0.01	ppm	0.1	PASS	ND						
DIAZANON	0.01	ppm	0.2	PASS	ND						
DICHLORVOS	0.01	ppm	0.1	PASS	ND						
DIMETHOATE	0.01	ppm	0.1	PASS	ND						
DIMETHOMORPH	0.01	ppm	3	PASS	ND						
ETHOPROPHOS	0.01	ppm	0.1	PASS	ND						
ETOFENPROX	0.01	ppm	0.1	PASS	ND						
ETOXAZOLE	0.01	ppm	1.5	PASS	ND						
FENHEXAMID	0.01	ppm	3	PASS	ND						
FENOXYCARB	0.01	ppm	0.1	PASS	ND						
FENPYROXIMATE	0.01	ppm	2	PASS	ND						
FIPRONIL	0.01	ppm	0.1	PASS	ND						
FLONICAMID	0.01	ppm	2	PASS	ND						
FLUDIOXONIL	0.01	ppm	3	PASS	ND						
HEXYTHIAZOX	0.01	ppm	2	PASS	ND						
IMAZALIL	0.01	ppm	0.1	PASS	ND						
IMIDACLOPRID	0.01	ppm	3	PASS	ND						
KRESOXIM-METHYL	0.01	ppm	1	PASS	ND						
MALATHION	0.01	ppm	2	PASS	ND						
METALAXYL	0.01	ppm	3	PASS	ND						
METHIOCARB	0.01	ppm	0.1	PASS	ND						
METHOMYL	0.01	ppm	0.1	PASS	ND						
MEVINPHOS	0.01	ppm	0.1	PASS	ND						
MYCLOBUTANIL	0.01	ppm	3	PASS	ND						
NALED	0.01	ppm	0.5	PASS	ND						
OXAMYL	0.01	ppm	0.5	PASS	ND						
PACLOBUTRAZOL	0.01	ppm	0.1	PASS	ND						
PERMETHRINS	0.01	ppm	1	PASS	ND						
PHOSMET	0.01	ppm	0.2	PASS	ND						

Analyzed by: 2803 Weight: 0.5003g Extraction date: 11/21/22 16:08:51 Extracted by: 2803  
 Analysis Method : SOP.T.40.101.TN Analytical Batch : KN003164PES Reviewed On : 11/21/22 16:28:42  
 Instrument Used : E-SHI-125 Pesticides Batch Date : 11/21/22 16:06:02  
 Running on : N/A  
 Dilution : 0.01 Reagent : N/A Consumables : N/A  
 Pipette : N/A

Testing for agricultural agents is performed utilizing Liquid Chromatography with Triple-Quadrupole Mass Spectrometry. \*Based on FL action limits.

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**Sue Ferguson**

Lab Director

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

Signature

11/22/22

Signed On


 10427 Cogdill Road, Suite 500  
 Knoxville, TN, 37932, US  
 DEA Number: RK0595249

# Certificate of Analysis

**PASSED**

Green Flower Botanicals

 1049 E. Brandon Blvd.  
 Brandon, FL, 33511, US  
 Telephone: (813) 906-1204  
 Email: LABS@GREENFLOWERBOTANICALS.COM

 Sample : KN21117004-001  
 Harvest/Lot ID: SZ870228-FS12-2247  
 Batch# : SZ870228-FS12-2247 Sample Size Received : 10 ml  
 Sampled : 11/15/22 Total Batch Size : N/A  
 Ordered : 11/15/22 Completed : 11/22/22 Expires: 11/22/23  
 Sample Method : SOP Client Method

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## Residual Solvents

PASSED

Solvents	LOD	Units	Action Level	Pass/Fail	Result
PROPANE	500	ppm	2100	PASS	ND
BUTANES (N-BUTANE)	500	ppm	2000	PASS	ND
METHANOL	25	ppm	3000	PASS	ND
ETHYLENE OXIDE	0.5	ppm	5	PASS	ND
PENTANES (N-PENTANE)	75	ppm	5000	PASS	ND
ETHANOL	500	ppm	5000	PASS	ND
ETHYL ETHER	50	ppm	5000	PASS	ND
1,1-DICHLOROETHENE	0.8	ppm	8	PASS	ND
ACETONE	75	ppm	5000	PASS	ND
2-PROPANOL	50	ppm	500	PASS	ND
ACETONITRILE	6	ppm	410	PASS	ND
DICHLOROMETHANE	12.5	ppm	600	PASS	ND
N-HEXANE	25	ppm	290	PASS	ND
ETHYL ACETATE	40	ppm	5000	PASS	ND
CHLOROFORM	0.2	ppm	60	PASS	ND
BENZENE	0.1	ppm	2	PASS	ND
1,2-DICHLOROETHANE	0.2	ppm	5	PASS	ND
HEPTANE	500	ppm	5000	PASS	ND
TRICHLOROETHYLENE	2.5	ppm	80	PASS	ND
TOLUENE	15	ppm	890	PASS	ND
TOTAL XYLENES - M, P & O - DIMETHYLBENZENE	15	ppm	2170	PASS	ND

Analyzed by: N/A	Weight: N/A	Extraction date: N/A	Extracted by: N/A
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Analysis Method : SOP.T.40.041.TN Analytical Batch : KN003143SOL Instrument Used : E-SHI-106 Residual Solvents Running on : N/A	Reviewed On : 11/22/22 17:17:25 Batch Date : 11/16/22 12:38:24
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Dilution : N/A  
 Reagent : N/A  
 Consumables : R2017.126; G201.100  
 Pipette : N/A

Residual solvents analysis is performed using Gas Chromatography / Mass Spectrometry. \*Based on FL action limits.

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Sample : KN21117004-001  
Harvest/Lot ID: SZ870228-FS12-2247

Batch# : SZ870228-FS12-2247 Sample Size Received : 10 ml  
Sampled : 11/15/22 Total Batch Size : N/A  
Ordered : 11/15/22 Completed : 11/22/22 Expires: 11/22/23  
Sample Method : SOP Client Method

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Microbial						Mycotoxins					
Analyte	LOD	Units	Result	Pass / Fail	Action Level	Analyte	LOD	Units	Result	Pass / Fail	Action Level
ESCHERICHIA COLI SHIGELLA SPP			Not Present	PASS		AFLATOXIN G2	0.002	ppm	ND	PASS	0.02
SALMONELLA SPECIFIC GENE			Not Present	PASS		AFLATOXIN G1	0.002	ppm	ND	PASS	0.02
ASPERGILLUS FLAVUS			Not Present	PASS		AFLATOXIN B2	0.002	ppm	ND	PASS	0.02
ASPERGILLUS FUMIGATUS			Not Present	PASS		AFLATOXIN B1	0.002	ppm	ND	PASS	0.02
ASPERGILLUS NIGER			Not Present	PASS		OCHRATOXIN A+	0.002	ppm	ND	PASS	0.02
ASPERGILLUS TERREUS			Not Present	PASS		TOTAL MYCOTOXINS	0.002	ppm	ND	PASS	0.02
<b>Analyzed by:</b> 2805 <b>Weight:</b> 1.0171g <b>Extraction date:</b> 11/18/22 09:56:52 <b>Extracted by:</b> 2805 <b>Analysis Method :</b> SOP.T.40.043 <b>Analytical Batch :</b> KN003145MIC <b>Instrument Used :</b> Micro E-HEW-069 <b>Running on :</b> N/A <b>Dilution :</b> N/A <b>Reagent :</b> 110722.01; 101822.08; 092022.05; 072722.01 <b>Consumables :</b> 22/04/01; 251773; 242429; 0980420; P7528255; 250346; 253850; 93825; 005104; n/a; 10RWJ0415W03; QJ032G <b>Pipette :</b> E-THE-045; E-THE-046; E-THE-047; E-THE-048; E-THE-049; E-THE-050; E-THE-051; E-THE-052; E-THE-053; E-THE-054; E-THE-055; E-BIO-188						<b>Analyzed by:</b> 2803 <b>Weight:</b> 0.5003g <b>Extraction date:</b> 11/21/22 16:08:51 <b>Extracted by:</b> 2803 <b>Analysis Method :</b> SOP.T.40.101.TN <b>Analytical Batch :</b> KN003165MYC <b>Instrument Used :</b> E-SHI-125 Mycotoxins <b>Running on :</b> N/A <b>Dilution :</b> 0.01 <b>Reagent :</b> N/A <b>Consumables :</b> N/A <b>Pipette :</b> N/A <b>Reviewed On :</b> 11/21/22 16:36:01 <b>Batch Date :</b> 11/21/22 16:13:40 Aflatoxins B1, B2, G1, G2, and Ochratoxins Mycotoxins testing utilizing Liquid Chromatography with Triple-Quadrupole Mass Spectrometry. *Based on FL action limits.					

Heavy Metals					
Metal	LOD	Units	Result	Pass / Fail	Action Level
ARSENIC-AS	0.02	ppm	ND	PASS	1.5
CADMIUM-CD	0.02	ppm	ND	PASS	0.5
MERCURY-HG	0.02	ppm	ND	PASS	3
LEAD-PB	0.02	ppm	ND	PASS	0.5
<b>Analyzed by:</b> 2368, 2837, 12 <b>Weight:</b> 7g <b>Extraction date:</b> N/A <b>Extracted by:</b> N/A <b>Analysis Method :</b> SOP.T.30.082, SOP.T.40.082.TN <b>Analytical Batch :</b> KN003149HEA <b>Instrument Used :</b> Metals ICP/MS <b>Running on :</b> N/A <b>Dilution :</b> N/A <b>Reagent :</b> 062422.01; 111422.R02; 101322.R14; 082922.09; 111022.R03; 101422.R14 <b>Consumables :</b> 257747; 829C6-829B; 108779-06-102921; 12532-225CD-225C; A29564150 <b>Pipette :</b> E-EPP-081; E-EPP-082					

Heavy Metals analysis is performed using ICP-MS (Inductively Coupled Plasma - Mass Spectrometer) which can screen down to single digit ppb concentrations. \*Based on FL action limits.



10427 Cogdill Road, Suite 500  
Knoxville, TN, 37932, US  
DEA Number: RK0595249

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Sample Method : SOP Client Method

Page 5 of 5

	<b>Filth/Foreign Material</b>	<b>PASSED</b>
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Analyte	LOD	Units	Result	P/F	Action Level
Filth and Foreign Material	1	detect/g	ND	PASS	3

Analyzed by: 2805	Weight: 0.5251g	Extraction date: 11/18/22 15:24:19	Extracted by: 2805
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Analysis Method : SOP.T.30.074, SOP.T.40.074  
Analytical Batch : KN003153FIL  
Instrument Used : E-AMS-138 Microscope  
Running on : N/A  
Reviewed On : 11/18/22 15:25:31  
Batch Date : 11/18/22 14:28:18

Dilution : N/A  
Reagent : N/A  
Consumables : N/A  
Pipette : N/A

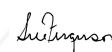
This includes but is not limited to hair, insects, feces, packaging contaminants, and manufacturing waste and by-products. A SW-2T13 Stereo Microscope is use for inspection.

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