



# Certificate of Analysis

Nov 10, 2020 | Green Flower Botanicals

1049 East Brandon Blvd.,  
Brandon, FL, 33511

Sample: CA01102013-001  
Harvest/Lot ID: Green Flower Botanicals  
Seed to Sale #n/a  
Batch Date :11/02/20  
Batch#: CS4095-BS12-2044  
Sample Size Received: 10 gram  
Retail Product Size: 30  
Ordered :11/02/20  
Sampled :11/02/20  
Completed: 11/10/20 Expires: 11/10/21  
Sampling Method: SOP Client Method

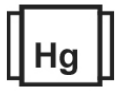
**PASSED**

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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  
**0.000%**  
THC/Container :0.000 mg



Total CBD  
**17.507%**  
CBD/Container :5252.100 mg



Total Cannabinoids  
**19.273%**  
Total Cannabinoids/Container :5781.900 mg

CBDV	CBD	CBG	THCV	CBDA	CBGA	CBN	D9-THC	D8-THC	CBC	THCA-A
0.240%	17.507%	0.269%	ND	ND	ND	0.529%	ND	ND	0.728%	ND
2.400 mg/g	175.070 mg/g	2.690 mg/g	ND	ND	ND	5.290 mg/g	ND	ND	7.280 mg/g	ND
LOD 0.02 %	0.01 %	0.1 %	0.02 %	0.02 %	0.02 %	0.01 %	0.02 %	0.02 %	0.01 %	0.01 %

**Filtration PASSED**

Analyzed By	Weight	Extraction date	Extracted By
1048	1g	NA	NA
Analyte	Insect fragments, hairs & mammalian excreta		LOD
			0.1
			Batch Date : 11/03/20 08:38:21

Analysis Method -SOP.T.40.013  
Analytical Batch -CA000496FIL  
Instrument Used :  
Running On :

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	Weight	Extraction date :	Extracted By :
1068	1.556g	NA	NA
Analysis Method -SOP.T.40.020, SOP.T.30.050		Batch Date : 11/05/20 14:58:31	
Analytical Batch -CA000518POT		Instrument Used : HPLC-2030(MO-HPLC-02) Running On :	

Reagent	Dilution	Consums. ID
061020.30	10	200110
010219.03		07/2019
110420.04		VAV-09-1020
110520.R01		80081-188
110320.R01		SPN-BX-1025

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 0.5 mg/L). The results of total THC, total CBD and total Cannabinoids in plant sample are reported on a dry weight basis.

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Haifei Yin  
Lab Director

State License # NA  
ISO Accreditation #  
L18-47-1



Signature

11/10/2020

Signed On



# Certificate of Analysis

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Green Flower Botanicals

1049 East Brandon Blvd.,  
Brandon, FL, 33511

Telephone: 813-906-1204

Email: labs@greenflowerbotanicals.com

Sample : CA01102013-001

Harvest/LOT ID: Green Flower Botanicals

Batch# : CS4095-  
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Sampled : 11/02/20

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Sample Size Received : 10 gram

Completed : 11/10/20 Expires: 11/10/21

Sample Method : SOP Client Method

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## Pesticides

# PASSED

Pesticides	LOD	Units	Action Level	Result	Pesticides	LOD	Units	Action Level	Result
ETOFENPROX	0.00983	ug/g	0.1	ND	PROPICONAZOLE	0.00747	ug/g	20	ND
DAMINOZIDE	0.01314	ug/g	0.1	ND	CLOFENTEZINE	0.0108	ug/g	0.5	ND
ACEPHATE	0.02402	ug/g	5	ND	SPINETORAM	0.00685	ug/g	3	ND
ACEQUINOCYL	0.0288	ug/g	4	ND	TRIFLOXYSTROBIN	0.00643	ug/g	30	ND
BIFENTHRIN	0.00868	ug/g	0.5	ND	PRALLETHRIN	0.1376	ug/g	0.4	ND
OXAMYL	0.01848	ug/g	0.2	ND	PIPERONYL BUTOXIDE	0.00766	ug/g	8	ND
SPINOSADS	0.00686	ug/g	3	ND	CHLORPYRIFOS	0.01599	ug/g	0.1	ND
FLONICAMID	0.03074	ug/g	2	ND	HEXYTHIAZOX	0.00556	ug/g	2	ND
THIAMETHOXAM	0.01555	ug/g	4.5	ND	ETOXAZOLE	0.00614	ug/g	1.5	ND
PYRETHRINS	0.00321	ug/g	1	ND	SPIROMESIFEN	0.00628	ug/g	12	ND
PERMETHRINS	0.01127	ug/g	20	ND	CYPERMETHRIN	0.01767	ug/g	1	ND
METHOMYL	0.024	ug/g	0.1	ND	CYFLUTHRIN	0.1	ug/g	1	ND
IMIDACLOPRID	0.01533	ug/g	3	ND	FENPYROXIMATE	0.00812	ug/g	2	ND
ACETAMIPRID	0.01333	ug/g	5	ND	PYRIDABEN	0.00716	ug/g	3	ND
MEVINPHOS	0.02454	ug/g	0.1	ND	ABAMECTIN B1A	0.01931	ug/g	0.3	ND
DIMETHOATE	0.03074	ug/g	0.1	ND	PCNB *	0.01873	ug/g	0.2	ND
THIACLOPRID	0.01922	ug/g	0.1	ND	PARATHION-METHYL *	0.01356	ug/g	0.1	ND
IMAZALIL	0.00737	ug/g	0.1	ND	CAPTAN *	0.03668	ug/g	5	ND
ALDICARB	0.03032	ug/g	0.1	ND	CHLORDANE *	0.02115	ug/g	0.1	ND
PROPOXUR	0.02322	ug/g	0.1	ND	CHLORFENAPYR *	0.01981	ug/g	0.1	ND
DICHLORVOS	0.02786	ug/g	0.1	ND					
CARBOFURAN	0.02749	ug/g	0.1	ND					
CARBARYL	0.02807	ug/g	0.5	ND					
NALED	0.02084	ug/g	0.5	ND					
CHLORANTRANILIPROLE	0.00782	ug/g	40	ND					
METALAXYL	0.00899	ug/g	15	ND					
PHOSMET	0.02488	ug/g	0.2	ND					
AZOXYSTROBIN	0.01375	ug/g	40	ND					
FLUDIOXONIL	0.01198	ug/g	30	ND					
SPIROXAMINE	0.00695	ug/g	0.1	ND					
BOSCALID	0.01484	ug/g	10	ND					
METHIOCARB	0.01778	ug/g	0.1	ND					
PACLOBUTRAZOL	0.01196	ug/g	0.1	ND					
MALATHION	0.02192	ug/g	5	ND					
DIMETHOMORPH	0.02083	ug/g	20	ND					
MYCLOBUTANIL	0.01115	ug/g	9	ND					
BIFENAZATE	0.0139	ug/g	5	ND					
FENHEXAMID	0.01206	ug/g	10	ND					
SPIROTETRAMAT	0.01014	ug/g	13	ND					
FIPRONIL	0.00839	ug/g	0.1	ND					
ETHOPROPHOS	0.02501	ug/g	0.1	ND					
FENOXYCARB	0.01674	ug/g	0.1	ND					
KRESOXIM-METHYL	0.01591	ug/g	1	ND					
TEBUCONAZOLE	0.0078	ug/g	2	ND					
COUMAPHOS	0.02068	ug/g	0.1	ND					
DIAZINON	0.02294	ug/g	0.2	ND					



### Pesticides

PASSED

<b>Analyzed by</b> 1051 , 1051	<b>Weight</b> 0.506g	<b>Extraction date</b> 11/03/20 04:11:21	<b>Extracted By</b> 1051 ,
<b>Analysis Method</b> - SOP.T.30.060, SOP.T.40.060 , <b>Analytical Batch</b> - CA000506PES , CA000509VOL <b>Instrument Used</b> : MO-LCMS-001_DER , GCMS-TQ8050_DER(MO-GCMSTQ-01) <b>Running On :</b> <b>Batch Date</b> : 11/03/20 15:42:13			
<b>Reagent</b>	<b>Dilution</b>	<b>Consums. ID</b>	
091720.04	1	200110	
091720.01		66022-060	
110220.806		VAV-09-1020	
102720.805		9299.077	
110420.802		10025-726	
098020.801		5787599A	
		76124-646	

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). \*

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**Haifei Yin**  
Lab Director  
State License # NA  
ISO Accreditation #  
L18-47-1



Signature

11/10/2020  
Signed On



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**Telephone:** 813-906-1204

**Email:** labs@greenflowerbotanicals.com

**Sample :** CA01102013-001

**Harvest/LOT ID:** Green Flower Botanicals

**Batch# :** CS4095-  
 BS12-2044

**Sampled :** 11/02/20

**Ordered :** 11/02/20

**Sample Size Received :** 10 gram

**Completed :** 11/10/20 **Expires:** 11/10/21


**Sample Method :** SOP Client Method

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## Residual Solvents

PASSED



## Residual Solvents

PASSED

Solvent	LOD	Units	Action Level (PPM)	Pass/Fail	Result
1,2- DICHLOROETHANE	0.1119	ug/g	1	PASS	ND
ACETONE	22.8676	ug/g	5000	PASS	ND
ACETONITRILE	30.1498	ug/g	410	PASS	ND
BENZENE	0.0897	ug/g	1	PASS	ND
BUTANE	45.9810	ug/g	5000	PASS	ND
CHLOROFORM	0.0760	ug/g	1	PASS	ND
ETHANOL	30.1944	ug/g	5000	PASS	ND
ETHYL ACETATE	36.7999	ug/g	5000	PASS	ND
ETHYL ETHER	41.0580	ug/g	5000	PASS	ND
ETHYLENE OXIDE	0.1547	ug/g	1	PASS	ND
HEPTANE	46.7093	ug/g	5000	PASS	ND
ISOPROPANOL	32.8178	ug/g	5000	PASS	ND
METHANOL	27.6548	ug/g	3000	PASS	ND
METHYLENE CHLORIDE	0.0585	ug/g	1	PASS	ND
N-HEXANE	47.3415	ug/g	290	PASS	ND
PENTANE	45.6067	ug/g	500	PASS	ND
PROPANE	49.9883	ug/g	500	PASS	ND
TOLUENE	44.1866	ug/g	890	PASS	ND
TRICHLOROETHYLENE	0.2173	ug/g	1	PASS	ND
XYLENES*	48.6566	ug/g	2170	PASS	ND

<b>Analyzed by</b> 1050	<b>Weight</b> 0.254g	<b>Extraction date</b> NA	<b>Extracted By</b> NA
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**Analysis Method -SOP.T.40.032**  
**Analytical Batch -CA000490SOL**  
**Instrument Used : GCMS-QP2020(MO-GCMS-01)**  
**Running On :**  
**Batch Date : 11/02/20 12:45:33**

Reagent	Dilution	Consums. ID
082720.07		C4020-3A
100220.06		502158
081020.R21		220-97331-51
011420.01		

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).

**Haifei Yin**  
 Lab Director

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Sample Size Received : 10 gram

Completed : 11/10/20 Expires: 11/10/21

Sample Method : SOP Client Method

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**Microbials** **PASSED**



**Mycotoxins** **PASSED**

Analyte	LOD	Result
SALMONELLA		not present in 1 gram.
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.
SHIGA TOXIN-PRODUCING ESCHERICHIA. COLI		not present in 1 gram

Analysis Method -SOP.T.40.043  
Analytical Batch -CA000542MIC Batch Date : 11/10/20  
Instrument Used : Sensovation SensoSpot Fluorescence  
Running On :

Analyzed by	Weight	Extraction date	Extracted By
1069	1.03g	11/10/20	1069

Reagent	Consums. ID	Consums. ID
010620.28	200103274	6980A10
100720.01	89012-778	107400-31-060120
	215918	107533-17-071520
	13-681-506	207379
	76322-134	18353
	26219028	10025-726

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 (PPB)
OCHRATOXIN A+	5	µg/kg	ND	20
AFLATOXIN B1	0.5	µg/kg	ND	20
AFLATOXIN G1	0.5	µg/kg	ND	20
AFLATOXIN G2	1	µg/kg	ND	20
AFLATOXIN B2	0.5	µg/kg	ND	20
TOTAL AFLATOXINS (SUM OF B1, B2, G1 &G2)	4	µg/kg	ND	20

Analysis Method -SOP.T.30.060, SOP.T.40.060  
Analytical Batch -CA000516MYC | Reviewed On - 11/05/20 13:40:14  
Instrument Used : MO-LCMS-001\_DER  
Running On :  
Batch Date : 11/04/20 15:17:48

Analyzed by	Weight	Extraction date	Extracted By
1051	1g	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	Reagent	Consums. ID
012420.01	100820.R03	2003055-9D-0266-TA
010220.01	030320.08	89049-174
030220.11		
101920.R03		
120219.01		
020320.02		

Metal	LOD	Unit	Result	Action Level (PPM)
ARSENIC	0.012	µg/g	ND	1.5
CADMIUM	0.012	µg/g	<0.037	0.5
LEAD	0.016	µg/g	ND	0.5
MERCURY	0.018	µg/g	<0.054	3

Analyzed by	Weight	Extraction date	Extracted By
1050	0.502g	NA	NA

Analysis Method -SOP.T.40.050, SOP.T.30.052  
Analytical Batch -CA000507HEA  
Instrument Used : ICPMS-2030(MO-ICPMS-01)  
Running On :  
Batch Date : 11/03/20 15:52:26

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.

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