



Certificate of Analysis

Sample:KN20928008-001
Harvest/Lot ID: CST187-BS12-2240
Batch#: CST187-BS12-2240
Seed to Sale# N/A
Batch Date: 09/26/22
Sample Size Received: 10 ml
Total Batch Size: N/A
Retail Product Size: 30 ml
Ordered : 09/26/22
Sampled : 09/26/22
Completed: 10/07/22
Sampling Method: N/A

PASSED

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Oct 07, 2022 | Green Flower Botanicals

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



PRODUCT IMAGE

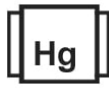


120 mg/ml Ultra Broad Spectrum CBD

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
0.0372%



Total CBD
13.9663%



Total Cannabinoids
15.2788%

	CBDV	CBDA	CBGA	CBG	CBD	THCV	CBN	EXO-THC	D9-THC	D8-THC	D10-THC	CBC	THCA	D8-THCO	D9-THCO	THC-O
%	0.1353	0.0102	0.0188	0.2892	13.9574	ND	0.3266	ND	0.0372	<0.01	ND	0.5041	<0.01	ND	ND	ND
mg/ml	1.2988	0.0979	0.1804	2.7763	133.991	ND	3.1353	ND	0.3571	<0.096	ND	4.8393	<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:
2692, 2657

Weight:
0.2065g

Extraction date:
N/A

Extracted by:
N/A

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 : KN002959POT
Instrument Used : E-SHI-153 Potency
Running on : N/A

Reviewed On : 09/30/22 14:11:49
Batch Date : 09/28/22 10:23:02

Dilution : N/A
Reagent : 062422.02; 011320.02; 070822.R01; 063022.R02
Consumables : 294033242; n/a; 947B9291.100; 0030220
Pipette : E-GIL-010; E-EPP-081

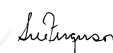
Full spectrum cannabinoid analysis utilizing High Performance Liquid Chromatography with UV/PDA detection (HPLC-UV/PDA). (Method: SOP.T.30.031.TN for sample prep and Shimadzu High Sensitivity Method SOP.T.40.020 for analysis). *Based on FL action limits.

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Sue Ferguson

Lab Director

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



Signature

10/07/22

Signed On



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

Sample : KN20928008-001
Harvest/Lot ID: CST187-BS12-2240

Batch# : CST187-BS12-2240 Sample Size Received : 10 ml
Sampled : 09/26/22 Total Batch Size : N/A
Ordered : 09/26/22 Completed : 10/07/22 Expires: 10/07/23
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:** 0.5002g **Extraction date:** N/A **Extracted by:** N/A
Analysis Method: SOP.T.30.060, SOP.T.40.060
Analytical Batch: KN002963PES **Reviewed On:** 09/30/22 13:20:00
Instrument Used: E-SHI-125 Pesticides **Batch Date:** 09/29/22 10:04:23
Running on: N/A
Dilution: 0.01
Reagent: N/A
Consumables: N/A
Pipette: N/A

Pesticide analysis is performed using LC-MSMS which can quantify down to below single digit ppb concentrations for regulated Pesticides. Currently we analyze for 61 Pesticides. (Methods: SOP.T.30.065 Sample Preparation for Pesticides Analysis via LCMSMS and SOP.T40.065 Procedure for Pesticide Quantification Using LCMSMS). *Based on FL action limits.



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 Email: LABS@GREENFLOWERBOTANICALS.COM

 Sample : KN20928008-001
 Harvest/Lot ID: CST187-BS12-2240

 Batch# : CST187-BS12-2240 Sample Size Received : 10 ml
 Sampled : 09/26/22 Total Batch Size : N/A
 Ordered : 09/26/22 Completed : 10/07/22 Expires: 10/07/23
 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.40.032 Analytical Batch : KN002964SOL Instrument Used : E-SHI-106 Residual Solvents Running on : N/A	Reviewed On : 10/07/22 14:33:10 Batch Date : 09/29/22 10:07:56
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Dilution : N/A
 Reagent : N/A
 Consumables : G201.100; G201.167
 Pipette : N/A

Residual solvents analysis 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). *Based on FL action limits.

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Sue Ferguson

Lab Director

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

Signature

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Signed On



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PASSED

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Sample : KN20928008-001
Harvest/Lot ID: CST187-BS12-2240

Batch# : CST187-BS12-2240
Sample Size Received : 10 ml
Total Batch Size : N/A
Sampled : 09/26/22
Ordered : 09/26/22
Completed : 10/07/22 Expires: 10/07/23
Sample Method : SOP Client Method

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Microbial						Mycotoxins					
PASSED						PASSED					
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
Analized by: 2805	Weight: 1.0276g	Extraction date: N/A	Extracted by: N/A			Analized by: 2803, 12	Weight: 0.5002g	Extraction date: N/A	Extracted by: N/A		
Analysis Method : SOP.T.40.043 Analytical Batch : KN002965MIC Instrument Used : Micro E-HEW-069 Running on : N/A						Analysis Method : SOP.T.30.060, SOP.T.40.060 Analytical Batch : KN002971MYC Instrument Used : E-SHI-125 Mycotoxins Running on : N/A					
Dilution : N/A Reagent : 092321.03 Consumables : 41069-116C4-116B; 242429; P7404184; 250346; 253850; 93825; 005104; n/a; 10RWJ0415W03; P7530724; 470228-424; QJ032G Pipette : 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						Dilution : 0.01 Reagent : N/A Consumables : N/A Pipette : N/A					
Reviewed On : 10/05/22 16:42:49 Batch Date : 09/30/22 09:31:08						Reviewed On : 10/06/22 11:51:09 Batch Date : 09/30/22 15:00:28					
Aflatoxins B1, B2, G1, G2, and Ochratoxins A testing using LC-MS. (Method: SOP.T.30.060 for Sample Preparation and SOP.T40.065 Procedure for Mycotoxins Quantification Using LCMSMS. LOQ 5.0 ppb). *Based on FL action limits.											

Heavy Metals					
PASSED					
Metal	LOD	Units	Result	Pass / Fail	Action Level
ARSENIC-AS	0.02	ppm	ND	PASS	0.2
CADMIUM-CD	0.02	ppm	ND	PASS	0.2
MERCURY-HG	0.02	ppm	ND	PASS	0.2
LEAD-PB	0.02	ppm	ND	PASS	0.5
Analized by: 138, 2368, 12	Weight: 0.2538g	Extraction date: 10/06/22 16:04:49	Extracted by: 12		
Analysis Method : SOP.T.40.050, SOP.T.30.052 Analytical Batch : KN002995HEA Instrument Used : Metals ICP/MS Running on : N/A					
Dilution : N/A Reagent : 090122.02; 011320.02; 092922.R07; 081922.R10; 031620.03; 082922.09; 071222.R13; 081922.R08; 081922.R01 Consumables : 108779-06-102921; 12532-225CD-225C Pipette : E-VWR-120; E-VWR-121					
Heavy Metals screening is performed using ICP-MS (Inductively Coupled Plasma - Mass Spectrometer) which can screen down to single digit ppb concentrations for regulated heavy metals using Method SOP.T.30.082 Sample Preparation for Heavy Metals Analysis via ICP-MS and SOP.T.40.082TN Heavy Metals Analysis via ICP-MS.					



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Sampled : 09/26/22
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Sample Method : SOP Client Method

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	Filth/Foreign Material	PASSED
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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: 0.5836g	Extraction date: N/A	Extracted by: N/A
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Analysis Method : SOP.T.30.074, SOP.T.40.074
Analytical Batch : KN002954FIL
Instrument Used : E-AMS-138 Microscope
Running on : N/A
Reviewed On : 09/30/22 15:47:27
Batch Date : 09/27/22 10:52:57

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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