

Certificate of Analysis

Oct 30, 2020 | BluLeaf Naturals

838 E. High Street #202 Lexington
Kentucky



SAMPLE: 16.67mg/mL

Harvest/Lot ID: 7870

Seed to Sale #N/A

Sample Size: 10.5 ml

Ordered : 10/22

Sampled : 10/22

Completed: 10/30 Expires: 10/30/2021

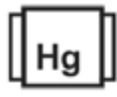
Sampling Method: SOP Client Method

PASSED

SAFETY RESULTS



Pesticides
PASSED



Heavy Metals
PASSED



Microbials
PASSED



Mycotoxins
PASSED



Residuals
Solvents
PASSED



Filtration
NOT TESTED



Water Activity
NOT TESTED



Moisture
NOT TESTED



Terpenes
NOT TESTED

MISC.

CANNABINOID RESULTS

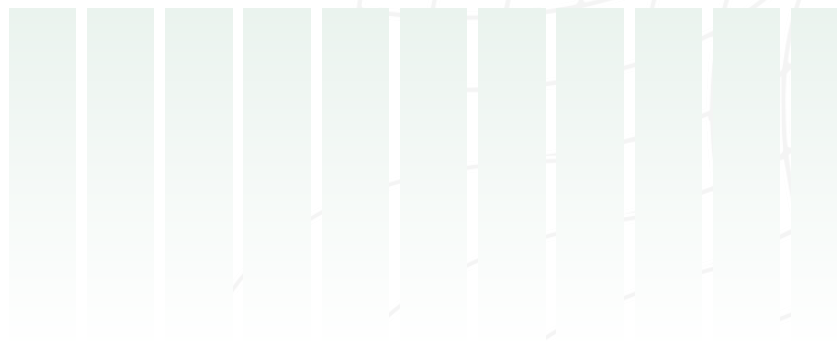


Total THC
0.08%



Total CBD
17.4mg/mL

0.08 % ND 1.74 % ND ND ND ND ND ND ND ND ND ND



D9-THC THCA CBD CBDA CBN CBDV D8-THC THCV CBG CBGA CBC

Cannabinoid Profile Test

Analyst 64 **Weight** 3.22g **Extracted By :** 574
Analysis Method -SOP.T.40.020, SOP.T.30.050
Analytical Batch -DA007492

Reagent	Dilution	Consums. ID
102819.R21	400	76124-662
102819.R17		SFN-BX-1025
102419.R05		849C4-849AK
102419.R04		840C6-840H

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).

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Jorge Segredo
Lab Director

State License # n/a
ISO Accreditation # 97164



Signature

Certificate of Analysis

PASSED


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Sample Method : SOP Client Method

	Pesticides	PASSED
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Pesticides	LOQ	Action Level	Units	Result	Pesticides	LOQ	Action Level	Units	Result
CHLORDANE	0.010	0.1	ppm	ND	METHIOCARB	0.010	0.05	ppm	ND
CAPTAN	0.100	0.7	ppm	ND	METHOMYL	0.010	0.1	ppm	ND
DIMETHOATE	0.010	0.1	ppm	ND	DIAZANON	0.010	0.1	ppm	ND
ABAMECTIN B1A	0.020	0.1	ppm	ND	MEVINPHOS	0.010	0.1	ppm	ND
CIS-PERMETHRIN	0.050	0.1	ppm	ND	MYCLOBUTANIL	0.010	0.1	ppm	ND
SPINETORAM	0.010		PPM	ND	NALED	0.010	0.25	ppm	ND
ACEPHATE	0.010	0.1	ppm	ND	OXAMYL	0.010	0.5	ppm	ND
DIMETHOMORPH	0.005	0.2	ppm	ND	PACLOBUTRAZOL	0.010	0.1	ppm	ND
ETHOPROPHOS	0.010	0.1	ppm	ND	TRANS-PERMETHRIN	0.050	0.1	ppm	ND
ACEQUINOCYL	0.050	0.1	ppm	ND	PHOSMET	0.010	0.1	ppm	ND
ACETAMIPRID	0.010	0.1	ppm	ND	PIPERONYL BUTOXIDE	0.010	3	ppm	ND
ETOFENPROX	0.010	0.1	ppm	ND	PRALLETHRIN	0.050	0.1	ppm	ND
ALDICARB	0.020	0.1	ppm	ND	PROPICONAZOLE	0.010	0.1	ppm	ND
ETOXAZOLE	0.010	0.1	ppm	ND	PROPOXUR	0.010	0.1	ppm	ND
AZOXYSTROBIN	0.010	0.01	ppm	ND	PYRETHRIN I	0.010	0.5	ppm	ND
FENHEXAMID	0.010	0.1	ppm	ND	PYRIDABEN	0.010	0.2	ppm	ND
BIFENAZATE	0.010	0.1	ppm	ND	SPINOSAD (SPINOSYN A)	0.010	0.1	ppm	ND
FENOXYCARB	0.010	0.1	ppm	ND	SPINOSAD (SPINOSYN D)	0.010	0.1	ppm	ND
FENPYROXIMATE	0.010	0.1	ppm	ND	SPIROMESIFEN	0.010	0.1	ppm	ND
BIFENTHRIN	0.010	0.1	ppm	ND	SPIROTETRAMAT	0.020	0.1	ppm	ND
CARBARYL	0.010	0.5	ppm	ND	SPIROXAMINE	0.010	0.1	ppm	ND
FIPRONIL	0.020	0.1	ppm	ND	TEBUCONAZOLE	0.010	0.1	ppm	ND
FLONICAMID	0.010	0.1	ppm	ND	THIACLOPRID	0.010	0.1	ppm	ND
CARBOFURAN	0.010	0.1	ppm	ND	THIAMETHOXAM	0.010	0.5	ppm	ND
CHLORANTRANILIPROLE	0.010	1	ppm	ND	TRIFLOXYSTROBIN	0.010	0.1	ppm	ND
FLUDIOXONIL	0.010	0.1	ppm	ND					
HEXYTHIAZOX	0.010	0.1	ppm	ND					
CHLORFENAPYR	0.010	0.1	ppm	ND					
IMAZALIL	0.010	0.1	ppm	ND					
CHLORPYRIFOS	0.010	0.1	ppm	ND					
IMIDACLOPRID	0.010	0.4	ppm	ND					
CLOFENTEZINE	0.010	0.2	ppm	ND					
KRESOXIM-METHYL	0.010	0.1	ppm	ND					
COUMAPHOS	0.005	0.1	ppm	ND					
MALATHION	0.010	0.2	ppm	ND					
CYPERMETHRIN	0.020	0.5	ppm	ND					
DAMINOZIDE	0.020	0.1	ppm	ND					
METALAXYL	0.010	0.02	ppm	ND					
DICHLORVOS	0.050	0.1	ppm	ND					

	Pesticides	PASSED
Analyst 585	Weight 1.0278g	Extracted By : 1082
Analysis Method -SOP.T.30.065, SOP.T.40.065 Analytical Batch - DA007504		
Reagent	Dilution 10	Consums. ID
SOP T.30.065, SOP T.40.065		

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Jorge Segredo
Lab Director

State License # n/a
ISO Accreditation # 97164



Signature

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PASSED

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Sample Method : SOP Client Method

	Residual Solvents	PASSED
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	Residual Solvents	PASSED
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SOLVENT	ACTION LEVEL (PPM)	PASS/FAIL	RESULT
PROPANE	2100	PASS	ND
BUTANES (N-BUTANE)	2000	PASS	ND
ETHYLENE OXIDE	5	PASS	ND
METHANOL	250	PASS	ND
ETHANOL	5000	PASS	ND
PENTANES (N-PENTANE)	750	PASS	ND
ETHYL ETHER	500	PASS	ND
ACETONE	750	PASS	ND
2-PROPANOL	500	PASS	ND
ACETONITRILE	60	PASS	ND
METHYLENE CHLORIDE	125	PASS	ND
N-HEXANE	250	PASS	ND
ETHYL ACETATE	400	PASS	ND
BENZENE	1	PASS	ND
HEPTANE	500	PASS	ND
TOLUENE	150	PASS	ND
CHLOROFORM	2	PASS	ND
1,2-DICHLOROETHANE	2	PASS	ND
TRICHLOROETHYLENE	25	PASS	ND
1,1-DICHLOROETHENE	8	PASS	ND
TOTAL XYLENES	150	PASS	ND

Analyst 850	Weight 0.0250g	Extracted By : 850
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 Analysis Method -SOP.T.40.032
 Analytical Batch -DA007517

Reagent	Dilution	Consums. ID
	1	00268767 160861-1 24151941

Residual solvents screening is performed using GC-MS which can detect below single digit ppm concentrations. Currently we analyze for 34 Residual solvents. (Method: SOP.T.30.042 Residual Solvents Analysis via GC-MS).

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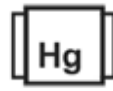
PASSED

BluLeaf Naturals

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Sample Method : SOP Client Method

	Mycotoxins	PASSED
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	Heavy Metals	PASSED
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Analyte	Result	Action Level
AFLATOXIN G2	ND	
AFLATOXIN G1	ND	
AFLATOXIN B2	ND	
AFLATOXIN B1	ND	
OCHRATOXIN A+	ND	0.02
TOTAL AFLATOXINS	0.000	0.02

Analysis Method -SOP.T.30.065, SOP.T.40.065

Analytical Batch -DA007505

Reagent	Dilution	Consums. ID
102819.R04	50	
100919.R02		
102119.R02		
102119.R03		
052419.01		

Metal	Result	Action Level
ARSENIC	ND	0.2
CADMIUM	ND	0.2
LEAD	ND	0.5
MERCURY	ND	0.1

Analysis Method -SOP.T.40.050, SOP.T.30.052

Analytical Batch -DA007487

Analyte
ASPERGILLUS_FLAVUS
ASPERGILLUS_FUMIGATUS
ASPERGILLUS_NIGER
ASPERGILLUS_TERREUS
ESCHERICHIA_COLI_SHIGELLA_SPP
SALMONELLA_SPECIFIC_GENE

Result

 not present in 1 gram.
 not present in 1 gram.
 not present in 1 gram.
 not present in 1 gram.
 not present in 1 gram.
 not present in 1 gram.

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.