





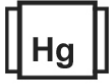








Certificate of Analysis

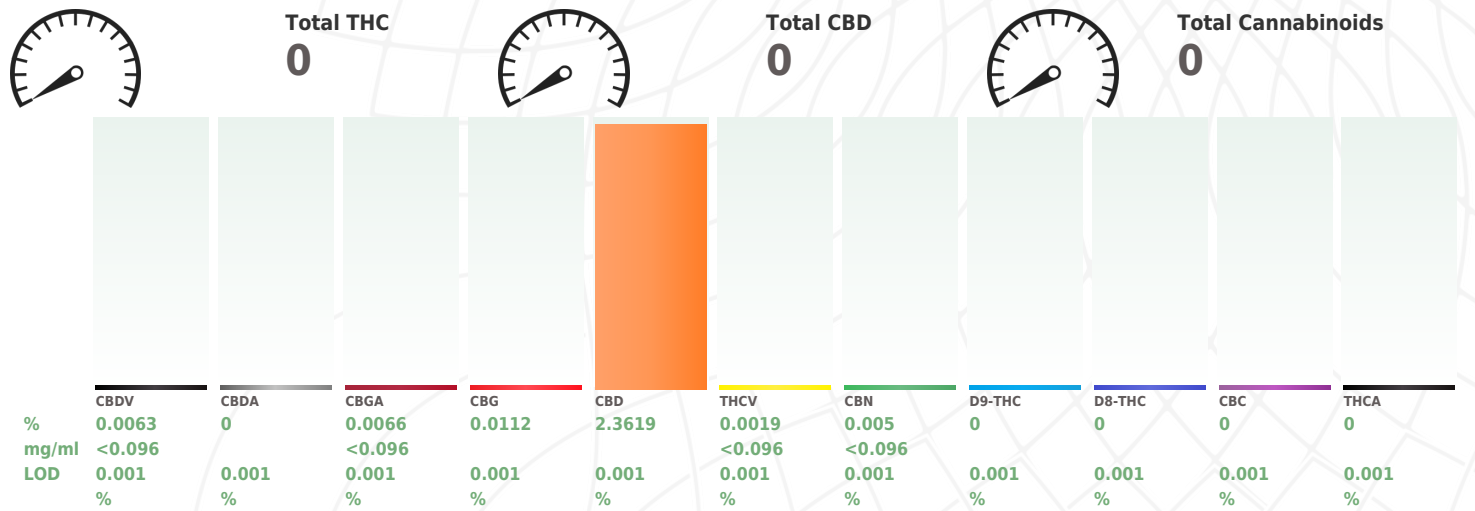
Sample:KN10217007-001
Harvest/Lot ID: 13B2110
Batch#: 13B2110
Seed to Sale# N/A
Batch Date: 02/13/21
Sample Size Received: 8 ml
Total Weight/Volume: N/A
Retail Product Size: 30 ml
ordered : 02/15/21
sampled : 02/15/21
Completed: 04/28/21
Sampling Method: SOP Client Method

Apr 28, 2021 | CannaSerene
4398 SW Port Way
Palm City, FL, 34990, US

CannaSerene

PASSED
Page 1 of 5

PRODUCT IMAGE	SAFETY RESULTS							MISC.	
	 Pesticides PASSED	 Heavy Metals PASSED	 Microbials PASSED	 Mycotoxins PASSED	 Residuals Solvents PASSED	 Filtration PASSED	 Water Activity NOT TESTED	 Moisture NOT TESTED	 Terpenes NOT TESTED
	Cannabinoid							PASSED	



Analyzed by 113 Weight 0.2065g Extraction date : NA Extracted By : NA

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.

Reviewed On - 02/19/21 16:29:41 Batch Date : 02/18/21 12:31:45 Running On :

Analytical Batch -KN000444POT Instrument Used : HPLC E-SHI-008

Dilution : 40
Reagent : 120320.R02; 020821.R07; 021521.R03
Consumables : 00298878; 190909059; 947.217

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

04/28/21

Signed On



Certificate of Analysis

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CannaSerene

Sample : KN10217007-001
Harvest/Lot ID: 13B2110

4398 SW Port Way
Palm City, FL, 34990, US
Telephone: (772) 907-7900
Email: shai@biosereneinc.com

Batch# : 13B2110
Sampled : 02/15/21
Ordered : 02/15/21

Sample Size Received : 8 ml
Total Weight/Volume : N/A
Completed : 04/28/21 Expires: 04/28/22
Sample Method : SOP Client Method

Page 2 of 5



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	0	PIPERONYL BUTOXIDE	0.01	ppm	3	0
ACEPHATE	0.01	ppm	3	0	PRALLETHRIN	0.01	ppm	0.4	0
ACEQUINOCYL	0.01	ppm	2	0	PROPICONAZOLE	0.01	ppm	1	0
ACETAMIPRID	0.01	ppm	3	0	PROPOXUR	0.01	ppm	0.1	0
ALDICARB	0.01	ppm	0.1	0	PYRETHRINS	0.01	ppm	1	0
AZOXYSTROBIN	0.01	ppm	3	0	PYRIDABEN	0.01	ppm	3	0
BIFENAZATE	0.01	ppm	3	0	SPINETORAM	0.01	ppm	3	0
BIFENTHRIN	0.01	ppm	0.5	0	SPIROMESIFEN	0.01	ppm	3	0
BOSCALID	0.01	ppm	3	0	SPIROTETRAMAT	0.01	ppm	3	0
CARBARYL	0.01	ppm	0.5	0	SPIROXAMINE	0.01	ppm	0.1	0
CARBOFURAN	0.01	ppm	0.1	0	TEBUCONAZOLE	0.01	ppm	1	0
CHLORANTRANILIPROLE	0.01	ppm	3	0	THIACLOPRID	0.01	ppm	0.1	0
CHLORMEQUAT CHLORIDE	0.01	ppm	3	0	THIAMETHOXAM	0.01	ppm	1	0
CHLORPYRIFOS	0.01	ppm	0.1	0	TOTAL SPINOSAD	0.01	ppm	3	0
CLOFENTZINE	0.01	ppm	0.5	0	TRIFLOXYSTROBIN	0.01	ppm	3	0
CUMAPHOS	0.01	ppm	0.1	0					
CYPERMETHRIN	0.01	ppm	1	0					
DAMINOZIDE	0.01	ppm	0.1	0					
DIAZANON	0.01	ppm	0.2	0					
DICHLORVOS	0.01	ppm	0.1	0					
DIMETHOATE	0.01	ppm	0.1	0					
DIMETHOMORPH	0.01	ppm	3	0					
ETHOPROPHOS	0.01	ppm	0.1	0					
ETOFENPROX	0.01	ppm	0.1	0					
ETOXAZOLE	0.01	ppm	1.5	0					
FENHEXAMID	0.01	ppm	3	0					
FENOXYCARB	0.01	ppm	0.1	0					
FENPYROXIMATE	0.01	ppm	2	0					
FIPRONIL	0.01	ppm	0.1	0					
FLONICAMID	0.01	ppm	2	0					
FLUDIOXONIL	0.01	ppm	3	0					
HEXYTHIAZOX	0.01	ppm	2	0					
IMAZALIL	0.01	ppm	0.1	0					
IMIDACLOPRID	0.01	ppm	3	0					
KRESOXIM-METHYL	0.01	ppm	1	0					
MALATHION	0.01	ppm	2	0					
METALAXYL	0.01	ppm	3	0					
METHIOCARB	0.01	ppm	0.1	0					
METHOMYL	0.01	ppm	0.1	0					
MEVINPHOS	0.01	ppm	0.1	0					
MYCLOBUTANIL	0.01	ppm	3	0					
NALED	0.01	ppm	0.5	0					
OXAMYL	0.01	ppm	0.5	0					
PACLOBUTRAZOL	0.01	ppm	0.1	0					
PERMETHRINS	0.01	ppm	1	0					
PHOSMET	0.01	ppm	0.2	0					



Pesticides

PASSED

Analysis Method -SOP.T.30.060, SOP.T.40.060
Analytical Batch -KN000433PES
Instrument Used :E-SHI-125 Pesticides
Running on :02/17/21 15:46:23
Reviewed On :02/19/21 09:51:12
Batch Date :02/17/21 09:44:33

Analyzed by: 143 **Weight:** 1.0108g **Extraction date:** 02/17/21 01:02:54 **Extracted by:** 143

Dilution : 10
Reagent : 012721.R03; 020121.R03; 021621.R04; 021521.R59
Consumables : P7364369; 00299697

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.



Certificate of Analysis

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 Telephone: (772) 907-7900
 Email: shai@biosereneinc.com

Sample : KN10217007-001
Harvest/Lot ID: 13B2110
Batch# : 13B2110
Sampled : 02/15/21
Ordered : 02/15/21
Sample Size Received : 8 ml
Total Weight/Volume : N/A
Completed : 04/28/21 Expires: 04/28/22
Sample Method : SOP Client Method
Page 3 of 5



Residual Solvents

PASSED

Solvents	LOD	Units	Action Level	Pass/Fail	Result
PROPANE	500	ppm	2100		0
BUTANES (N-BUTANE)	500	ppm	2000		0
METHANOL	25	ppm	3000		3.5716
ETHYLENE OXIDE	0.5	ppm	5		0
PENTANES (N-PENTANE)	75	ppm	5000		0
ETHANOL	500	ppm	5000		39.0596
ETHYL ETHER	50	ppm	5000		0
1,1-DICHLOROETHENE	0.8	ppm	8		0
ACETONE	75	ppm	5000		4.8879
2-PROPANOL	50	ppm	500		6.4442
ACETONITRILE	6	ppm	410		0.9667
DICHLOROMETHANE	12.5	ppm	600		0
N-HEXANE	25	ppm	290		1.5656
ETHYL ACETATE	40	ppm	5000		0
CHLOROFORM	0.2	ppm	60		0
BENZENE	0.1	ppm	2		0
1,2-DICHLOROETHANE	0.2	ppm	5		0
HEPTANE	500	ppm	5000		0
TRICHLOROETHYLENE	2.5	ppm	80		0
TOLUENE	15	ppm	890		2.9443
TOTAL XYLENES - M, P & O - DIMETHYLBENZENE	15	ppm		TESTED	0



Solvents

PASSED

Analyzed by	Weight	Extraction date	Extracted By
138	0.02802g	NA	NA

Analysis Method -SOP.T.40.032
Analytical Batch -KN000438SOL
Instrument Used : E-SHI-106 Residual Solvents
Running On : 02/18/21 10:09:23
Batch Date : 02/17/21 12:04:38
Reviewed On - 02/18/21 13:26:13

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

04/28/21

Signed On



Certificate of Analysis

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CannaSerene

4398 SW Port Way
Palm City, FL, 34990, US
Telephone: (772) 907-7900
Email: shai@biosereneinc.com

Sample : KN10217007-001
Harvest/Lot ID: 13B2110

Batch# : 13B2110
Sampled : 02/15/21
Ordered : 02/15/21

Sample Size Received : 8 ml
Total Weight/Volume : N/A
Completed : 04/28/21 Expires: 04/28/22
Sample Method : SOP Client Method

Page 4 of 5

	Microbial	PASSED		Mycotoxins	PASSED
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Analyte	LOD	Units	Result	Pass / Fail	Action Level
ESCHERICHIA COLI SHIGELLA SPP	1726	RFU	0	1726	
SALMONELLA SPECIFIC GENE	10000	RFU	410	10000	
ASPERGILLUS FLAVUS	10000	RFU	0	10000	
ASPERGILLUS FUMIGATUS	10000	RFU	175	10000	
ASPERGILLUS NIGER	10000	RFU	1621	10000	
ASPERGILLUS TERREUS	10000	RFU	286	10000	

Analysis Method - SOP.T.40.043
Analytical Batch - KN000441MIC
Instrument Used : Micro E-HEW-069
Running on : 02/18/21 12:41:46

Reviewed On : 02/19/21 11:32:58
Batch Date : 02/17/21 17:01:22

Analyzed by: NA Weight: NA Extraction date: NA Extracted by: 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	Pass / Fail	Action Level
AFLATOXIN G2	0.002	ppm	0	0.02	
AFLATOXIN G1	0.002	ppm	0	0.02	
AFLATOXIN B2	0.002	ppm	0	0.02	
AFLATOXIN B1	0.002	ppm	0	0.02	
OCHRATOXIN A+	0.002	ppm	0	0.02	
TOTAL MYCOTOXINS		ppm	0	TESTED	

Analysis Method -SOP.T.30.060, SOP.T.40.060

Analytical Batch -KN000434MYC | Reviewed On - 02/19/21 10:05:43

Instrument Used : E-SHI-125 Mycotoxins

Running On : 02/17/21 15:46:20 | Batch Date : 02/17/21 09:44:56

Analyzed by: 143 Weight: 1.0108g Extraction date: 02/17/21 03:02:40 Extracted By: 143

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
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Metal	LOD	Units	Result	Pass / Fail	Action Level
ARSENIC-AS	0.02	ppm	0		1.5
CADMIUM-CD	0.02	ppm	0		0.5
MERCURY-HG	0.02	ppm	0.0023		3
LEAD-PB	0.02	ppm	0		0.5

Analyzed by: 12 Weight: 0.2748g Extraction date: NA Extracted By: NA

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

Analytical Batch -KN000442HEA | Reviewed On - 02/19/21 15:02:36

Instrument Used : Metals ICP/MS

Running On : | Batch Date : 02/17/21 17:06:30

Dilution : 50

Reagent : 122820.02; 020421.R05; 011521.R01; 020921.R14; 123020.R01; 012221.R14

Consumables : 7226/0030021; 201015060

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.



Certificate of Analysis

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CannaSerene

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Telephone: (772) 907-7900
Email: shai@biosereneinc.com

Sample : KN10217007-001
Harvest/Lot ID: 13B2110

Batch# : 13B2110
Sampled : 02/15/21
Odered : 02/15/21

Sample Size Received : 8 ml
Total Weight/Volume : N/A
Completed : 04/28/21 Expires: 04/28/22
Sample Method : SOP Client Method

Page 5 of 5



Filth/Foreign Material

PASSED

Analyte	LOD	Units	Result	P/F	Action Level
Filth and Foreign Material	1	detect/g	0		3
Analyzed By	Weight	Extraction date	Extracted By		
142	0.6926g	NA	NA		
Analysis Method -SOP.T.40.013		Batch Date : 02/18/21 13:21:53			
Analytical Batch -KN000445FIL		Reviewed On - 02/18/21 17:52:57			
Instrument Used : E-AMS-138 Microscope					
Running On :					

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.

Sue Ferguson

Lab Director

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

Signature

04/28/21

Signed On