

10427 Cogdill Road, Suite 500
Knoxville, TN, 37932, US
DEA Number: RC0639128



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CannaSerene Full Spec 600mg Oil Fennel

N/A

Matrix: Derivative

Certificate of Analysis

Sample:KN10329006-001
Harvest/Lot ID: 25C2110
Batch#: 25C2110
Batch Date: 03/25/21
Sample Size Received: 30
Retail Product Size: 30 ml
Ordered : 03/26/21
Sampled : 03/26/21
Completed: 03/31/21

PASSED

Page 1 of 5

Apr 28, 2021 | CannaSerene

4398 SW Port Way
Palm City, FL, 34990, US

BioSerene

PRODUCT IMAGE

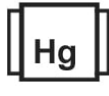


glass dropper bottle

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.

Potency

PASSED



Total THC
0%



Total CBD
0%



Total Cannabinoids
0%

	CBDV	CBDA	CBGA	CBG	CBD	THCV	CBN	D9-THC	D8-THC	CBC	THCA
%	0.0201	0	0.0062	0.0256	2.4298	0.0021	0.0053	0.0681	0	0.0814	0
mg/g	0.001	0.001	<0.1	0.001	0.001	<0.1	<0.1	0.001	0.001	0.001	0.001
LOD	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001

Analyzed by: 113 Weight: 0.2062g Extraction date: 03/29/21 02:03:17 Extracted by: 946

Analysis Method : SOP.T.30.031.TN & SOP.T.40.031.TN Expanded Measurement of Uncertainty: Flower Matrix d9-THC: ± 0.100, THCa: ± 0.124, TOTAL THC ± 0.112. 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 : KN000649POT Reviewed On : 03/30/21 16:00:39

Instrument Used : HPLC E-SHI-008 Batch Date : 03/29/21 13:48:47

Running on : N/A

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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Darren Converse

Lab Director

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

D Converse
Signature

03/31/21

Signed On



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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	0.0907	
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	
CLOFENTEZINE	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							

Analyzed by: 143	Weight: 1.0098g	Extraction date: 03/31/21 10:03:36	Extracted by: 113
Analysis Method : SOP.T.30.101.TN, SOP.T.40.101.TN		Reviewed On : 03/31/21 17:11:04	
Analytical Batch : KN000660PES		Batch Date : 03/31/21 08:58:32	
Instrument Used : E-SHI-125 Pesticides		Running on : 03/31/21 11:49:06	

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



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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		0
ETHYLENE OXIDE	0.5	ppm	5		0.0934
PENTANES (N-PENTANE)	75	ppm	5000		0.5124
ETHANOL	500	ppm	5000		0.8431
ETHYL ETHER	50	ppm	5000		0
1,1-DICHLOROETHENE	0.8	ppm	8		0
ACETONE	75	ppm	5000		0.6787
2-PROPANOL	50	ppm	500		3.8048
ACETONITRILE	6	ppm	410		0
DICHLOROMETHANE	12.5	ppm	600		0
N-HEXANE	25	ppm	290		0
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		1.4759
TOTAL XYLENES - M, P & O - DIMETHYLBENZENE	15	ppm		TESTED	0

Analyzed by: 138	Weight: 0.02803g	Extraction date: 03/29/21 02:03:38	Extracted by: 138
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Analysis Method : SOP.T.40.041.TN	Reviewed On : 03/30/21 14:37:20
Analytical Batch : KN000639SOL	Batch Date : 03/29/21 09:17:03
Instrument Used : E-SHI-106 Residual Solvents	
Running on : 03/29/21 15:25:53	

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



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Page 4 of 5

Microbial PASSED						Mycotoxins PASSED					
Analyte	LOD	Units	Result	Pass / Fail	Action Level	Analyte	LOD	Units	Result	Pass / Fail	Action Level
ESCHERICHIA COLI SHIGELLA SPP	1726	RFU	0		1726	AFLATOXIN G2	0.002	ppm	0		0.02
SALMONELLA SPECIFIC GENE	10000	RFU	905		10000	AFLATOXIN G1	0.002	ppm	0		0.02
ASPERGILLUS FLAVUS	10000	RFU	0		10000	AFLATOXIN B2	0.002	ppm	0		0.02
ASPERGILLUS FUMIGATUS	10000	RFU	554		10000	AFLATOXIN B1	0.002	ppm	0		0.02
ASPERGILLUS NIGER	10000	RFU	0		10000	OCHRATOXIN A+	0.002	ppm	0		0.02
ASPERGILLUS TERREUS	10000	RFU	0		10000	TOTAL MYCOTOXINS		ppm	0		TESTED
Analyzed by: 142 Weight: 0.9626g Extraction date: N/A Extracted by: N/A						Analyzed by: 143 Weight: 1.0098g Extraction date: 03/31/21 11:03:44 Extracted by: 143					
Analysis Method : SOP.T.40.056C, SOP.T.40.041 LOD is 1 CFU Analytical Batch : KN000652MIC Reviewed On : 03/31/21 17:49:34 Instrument Used : Micro E-HEW-069 Batch Date : 03/29/21 15:31:56 Running on : 03/30/21 11:43:40						Analysis Method : SOP.T.30.101.TN, SOP.T.40.101.TN Analytical Batch : KN000661MYC Reviewed On : 03/31/21 17:25:58 Instrument Used : E-SHI-125 Mycotoxins Batch Date : 03/31/21 08:59:36 Running on : 03/31/21 11:49:13					

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. With an LOD of 1cfu, if a pathogenic E Coli, Salmonella, A fumigatus, A flavus, A niger, or A terreus is detected in 1g of a sample, the sample fails the microbiological-impurity testing.

Heavy Metals PASSED					
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	0.0003		3
LEAD-PB	0.02	ppm	0		0.5
Analyzed by: 12 Weight: 27g Extraction date: N/A Extracted by: N/A					
Analysis Method : SOP.T.30.082, SOP.T.40.082.TN Analytical Batch : KN000648HEA Reviewed On : 03/31/21 10:52:44 Instrument Used : Metals ICP/MS Batch Date : 03/29/21 13:37:49 Running on : N/A					

Heavy Metals analysis is performed using ICP-MS (Inductively Coupled Plasma - Mass Spectrometer) which can screen down to single digit ppb concentrations. LOQ is 0.04 ppm for all metals. *Based on FL action limits.

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Darren Converse
Lab Director
State License # n/a
ISO Accreditation # 17025:2017

Signature

03/31/21

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Page 5 of 5

	Filth/Foreign Material	PASSED
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Analyte	LOD	Units	Result	P/F	Action Level
Filth and Foreign Material	1	detect/g	0		3

Analyzed by:	Weight:	Extraction date:	Extracted by:

Analysis Method : SOP.T.40.090
Analytical Batch : KN000656FIL
Instrument Used : E-AMS-138 Microscope
Running on : N/A
Reviewed On : 03/30/21 14:37:58
Batch Date : 03/30/21 11:23:58

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.