

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



CannaSerene Full Spec 600mg Oil Cinnamon  
N/A  
Matrix: Derivative

# Certificate of Analysis

Sample:KN10329006-004  
Harvest/Lot ID: 23C2110  
Batch#: 23C2110  
Batch Date: 03/23/21  
Sample Size Received: 30  
Retail Product Size: 30 ml  
Ordered : 03/26/21  
Sampled : 03/26/21  
Completed: 03/31/21

**PASSED**

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Apr 28, 2021 | CannaSerene

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

BioSerene

PRODUCT IMAGE

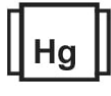


glass dropper bottle

SAFETY RESULTS



Pesticides  
**PASSED**



Heavy Metals  
**PASSED**



Microbials  
**PASSED**



Mycotoxins  
**PASSED**



Residuals Solvents  
**PASSED**



Filtth  
**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
%	0.0195	0	0.0049	0.0253	2.3989	0.0018	0.0039	0.0665	0.0003	0.0798	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	%	%	%	%	%	%	%	%	%	%	%

Analyzed by: 113      Weight: 0.2071g      Extraction date: 03/29/21 02:03:37      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 16:03:08

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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Completed : 03/31/21 Expires: 03/31/22

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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	0		PIPERONYL BUTOXIDE	0.01	ppm	3	0	
ACEPHATE	0.01	ppm	3	0		PRALLETHRIN	0.01	ppm	0.4	0	0.0701
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: 1.0221g      Extraction date: 03/31/21 09:03:30      Extracted by: 143  
 Analysis Method : SOP.T.30.101.TN, SOP.T.40.101.TN  
 Analytical Batch : KN000660PES      Reviewed On : 03/31/21 17:12:24  
 Instrument Used : E-SHI-125 Pesticides      Batch Date : 03/31/21 08:58:32  
 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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Ordered : 03/26/21

Sample Size Received : 30

Completed : 03/31/21 Expires: 03/31/22

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## 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		0.1007
PENTANES (N-PENTANE)	75	ppm	5000		1.878
ETHANOL	500	ppm	5000		1.7342
ETHYL ETHER	50	ppm	5000		0
1,1-DICHLOROETHENE	0.8	ppm	8		0
ACETONE	75	ppm	5000		2.9406
2-PROPANOL	50	ppm	500		4.7126
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		1.1044
TOTAL XYLENES - M, P & O - DIMETHYLBENZENE	15	ppm		TESTED	0

Analyzed by: 138	Weight: 0.02695g	Extraction date: 03/29/21 02:03:09	Extracted by: 138
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Analysis Method : SOP.T.40.041.TN  
 Analytical Batch : KN000639SOL  
 Instrument Used : E-SHI-106 Residual Solvents  
 Running on : 03/29/21 15:25:53

Reviewed On : 03/30/21 14:47:47  
 Batch Date : 03/29/21 09:17:03

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

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

*D Converse*  
 Signature

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Microbial <b>PASSED</b>						Mycotoxins <b>PASSED</b>					
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	721		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	0		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	31		10000	TOTAL MYCOTOXINS		ppm	0		TESTED
Analyzed by: 142    Weight: 1.0491g    Extraction date: N/A    Extracted by: N/A Analysis Method : SOP.T.40.056C, SOP.T.40.041 LOD is 1 CFU Analytical Batch : KN000652MIC    Reviewed On : 03/31/21 17:49:58 Instrument Used : Micro E-HEW-069    Batch Date : 03/29/21 15:31:56 Running on : 03/30/21 11:43:40						Analyzed by: 143    Weight: 1.0221g    Extraction date: 03/31/21 11:03:33    Extracted by: 143 Analysis Method : SOP.T.30.101.TN, SOP.T.40.101.TN Analytical Batch : KN000661MYC    Reviewed On : 03/31/21 17:26:40 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.

Hg Heavy Metals <b>PASSED</b>					
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		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 18:01:46 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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	<b>Filth/Foreign Material</b>	<b>PASSED</b>
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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 14:38:18  
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.