10427 Cogdill Road, Suite 500
Knoxville, TN, 37932, US
DEA Number: RK0595249

Kaycha Labs

CannaSerene Full Spec 1500mg Oil Cinnamon
N/A
Matrix: Derivative

Certificate of Analysis

Sample:KN10329006-003
Harvest/Lot ID: 26C2110
Batch#: 26c2110
Seed to Sale# N/A
Batch Date: 03/26/21
Sample Size Received: 30
Total Weight/Volume: N/A
Retail Product Size: 30 ml
ordered : 03/26/21
sampled : 03/26/21
Completed: 03/31/21
Sampling Method: SOP Client Method

Apr 28, 2021 | CannaSerene

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

CannaSerene

PASSED

PRODUCT IMAGE

SAFETY RESULTS

Pesticides	Heavy Metals	Microbials	Mycotoxins	Residuals Solvents	Filth	Water Activity	Moisture
PASSED	PASSED	PASSED	PASSED	PASSED	PASSED	NOT TESTED	NOT TESTED

MISC.

Terpenes
NOT TESTED

Cannabinoid

PASSED

Total THC
0

Total CBD
0

Total Cannabinoids
0

	CBDV	CBDA	CBGA	CBG	CBD	THCV	CBN	D9-THC	D8-THC	CBC	THCA
%	0.0457	0	0.0049	0.0605	5.6376	0.0023	0.0081	0.1599	0.0003	0.1938	0
mg/g			<0.1			<0.1	<0.1				
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
0.2102g

Extraction date :
03/29/21 02:03:33

Extracted By :
946

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 - 03/30/21 16:02:58

Batch Date : 03/29/21 13:48:47

Analytical Batch -KN000649POT

Instrument Used : HPLC E-SHI-008

Running On :

Dilution : 40

Reagent : 120320.R02; 033021.R01; 032321.R02

Consumables : 947B9291.217; 200331059

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.

Sue Ferguson
Lab Director

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

Signature

03/31/21
Signed On

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DEA Number: RK0595249

Kaycha Labs

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N/A
Matrix : Derivative

Certificate of Analysis

PASSED

CannaSerene

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

Sample : KN10329006-003
Harvest/Lot ID: 26C2110
Batch# : 26c2110
Sampled : 03/26/21
Odered : 03/26/21

Sample Size Received : 30
Total Weight/Volume : N/A
Completed : 03/31/21 **Expires:** 03/31/22
Sample Method : SOP Client Method

Pesticides

PASSED

Pesticide	LOD	Units	Action Level	Pass/Fail	Result
ABAMECTIN B1A	0.01	ppm	0.3		0
ACEPHATE	0.01	ppm	3		0
ACEQUINOCYL	0.01	ppm	2		0
ACETAMIPRID	0.01	ppm	3		0
ALDICARB	0.01	ppm	0.1		0
AZOXYSTROBIN	0.01	ppm	3		0
BIFENAZATE	0.01	ppm	3		0
BIFENTHRIN	0.01	ppm	0.5		0
BOSCALID	0.01	ppm	3		0
CARBARYL	0.01	ppm	0.5		0
CARBOFURAN	0.01	ppm	0.1		0
CHLORANTRANILIPROLE	0.01	ppm	3		0
CHLORMEQUAT CHLORIDE	0.01	ppm	3		0
CHLORPYRIFOS	0.01	ppm	0.1		0
CLOFENTEZINE	0.01	ppm	0.5		0
COUMAPHOS	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
PIPERONYL BUTOXIDE	0.01	ppm	3		0
PRALLETHRIN	0.01	ppm	0.4		0.1278
PROPICONAZOLE	0.01	ppm	1		0
PROPOXUR	0.01	ppm	0.1		0
PYRETHRINS	0.01	ppm	1		0
PYRIDABEN	0.01	ppm	3		0
SPINETORAM	0.01	ppm	3		0
SPIROMESIFEN	0.01	ppm	3		0
SPIROTETRAMAT	0.01	ppm	3		0
SPIROXAMINE	0.01	ppm	0.1		0
TEBUCONAZOLE	0.01	ppm	1		0
THIACLOPRID	0.01	ppm	0.1		0
THIAMETHOXAM	0.01	ppm	1		0
TOTAL SPINOSAD	0.01	ppm	3		0
TRIFLOXYSTROBIN	0.01	ppm	3		0

Pesticides

PASSED

Analysis Method - SOP.T.30.060, SOP.T.40.060
Analytical Batch - KN000660PES
Instrument Used : E-SHI-125 Pesticides
Running on : 03/31/21 11:49:06

Reviewed On : 03/31/21 17:11:59
Batch Date : 03/31/21 08:58:32

Analyzed by:	Weight:	Extraction date:	Extracted by:
143	1.0152g	03/31/21 09:03:22	143

Dilution : 10
Reagent : 032321.R03; 033121.R44
Consumables : P7364369; 00302193

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.

Sue Ferguson
Lab Director

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

Signature

03/31/21
Signed On

10427 Cogdill Road, Suite 500
Knoxville, TN, 37932, US
DEA Number: RK0595249

Kaycha Labs

CannaSerene Full Spec 1500mg Oil Cinnamon
N/A
Matrix : Derivative

Certificate of Analysis

PASSED

CannaSerene

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

Sample : KN10329006-003
Harvest/Lot ID: 26C2110
Batch# : 26c2110
Sampled : 03/26/21
Odered : 03/26/21

Sample Size Received : 30
Total Weight/Volume : N/A
Completed : 03/31/21 **Expires:** 03/31/22
Sample Method : SOP Client Method

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
PENTANES (N-PENTANE)	75	ppm	5000		0.6205
ETHANOL	500	ppm	5000		1.1614
ETHYL ETHER	50	ppm	5000		0
1,1-DICHLOROETHENE	0.8	ppm	8		0
ACETONE	75	ppm	5000		1.1423
2-PROPANOL	50	ppm	500		5.5023
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		1.1616
TOTAL XYLENES - M, P & O - DIMETHYLBENZENE	15	ppm		TESTED	0

Solvents

PASSED

Analyzed by	Weight	Extraction date	Extracted By
138	0.02416g	03/29/21 02:03:05	138

Analysis Method -SOP.T.40.032
Analytical Batch -KN000639SOL
Instrument Used : E-SHI-106 Residual Solvents
Running On : 03/29/21 15:25:53
Batch Date : 03/29/21 09:17:03

Reviewed On - 03/30/21 14:37:32

Dilution :
Reagent :
Consumables : 1065518282V1393

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.

Sue Ferguson
Lab Director

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

Signature

03/31/21
Signed On

10427 Cogdill Road, Suite 500
Knoxville, TN, 37932, US
DEA Number: RK0595249

Kaycha Labs

CannaSerene Full Spec 1500mg Oil Cinnamon
N/A
Matrix : Derivative

Certificate of Analysis

PASSED

CannaSerene

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

Sample : KN10329006-003
Harvest/Lot ID: 26C2110
Batch# : 26c2110
Sampled : 03/26/21
Odered : 03/26/21

Sample Size Received : 30
Total Weight/Volume : N/A
Completed : 03/31/21 **Expires:** 03/31/22
Sample Method : SOP Client Method

Microbial — PASSED

Analyte	LOD	Units	Result	Pass / Fail	Action Level
ESCHERICHIA COLI SHIGELLA SPP	1726	RFU	0		1726
SALMONELLA SPECIFIC GENE	10000	RFU	688		10000
ASPERGILLUS FLAVUS	10000	RFU	162		10000
ASPERGILLUS FUMIGATUS	10000	RFU	763		10000
ASPERGILLUS NIGER	10000	RFU	0		10000
ASPERGILLUS TERREUS	10000	RFU	384		10000

Analysis Method - SOP.T.40.043
Analytical Batch - KN000652MIC
Instrument Used : Micro E-HEW-069
Running on : 03/30/21 11:43:40
Reviewed On : 03/31/21 17:49:49
Batch Date : 03/29/21 15:31:56

Analyzed by:	Weight:	Extraction date:	Extracted by:
NA		NA	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.

Mycotoxins — PASSED

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 -KN000661MYC | Reviewed On - 03/31/21 17:26:24
Instrument Used : E-SHI-125 Mycotoxins
Running On : 03/31/21 11:49:13 | Batch Date : 03/31/21 08:59:36

Analyzed by	Weight	Extraction date	Extracted By
143	1.0165g	03/31/21 11:03:53	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

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	Weight	Extraction date	Extracted By
12	27g	NA	NA

Analysis Method -SOP.T.40.050, SOP.T.30.052
Analytical Batch -KN000648HEA | Reviewed On - 03/31/21 10:54:42
Instrument Used : Metals ICP/MS
Running On : | Batch Date : 03/29/21 13:37:49

Dilution : 50
Reagent : 030121.R30; 011521.R01; 020921.R14; 123020.R01
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.

Sue Ferguson
Lab Director

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

Signature

03/31/21
Signed On

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DEA Number: RK0595249

Kaycha Labs

CannaSerene Full Spec 1500mg Oil Cinnamon
N/A
Matrix : Derivative

Certificate of Analysis

PASSED

CannaSerene

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

Sample : KN10329006-003
Harvest/Lot ID: 26C2110
Batch# : 26c2110
Sampled : 03/26/21
Odered : 03/26/21

Sample Size Received : 30
Total Weight/Volume : N/A
Completed : 03/31/21 **Expires:** 03/31/22
Sample Method : SOP Client Method

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	0.6158g	NA	NA

Analysis Method - SOP.T.40.013 **Batch Date :** 03/30/21 11:23:58
Analytical Batch - KN000656FIL **Reviewed On -** 03/30/21 14:38:11
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

03/31/21
Signed On