



Certificate of Analysis

Sample: DA00128006-001

Harvest/Lot ID: EC 01-1219

Batch#: EC 01-1219

Seed to Sale# N/A

Batch Date: N/A

Sample Size Received: 30 ml

Total Weight/Volume: 30 ml gram

Retail Product Size: 30 ml gram

ordered : 01/23/20

sampled : 01/23/20

Completed: 02/11/20

Sampling Method: SOP Client Method

PASSED

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Feb 11, 2020 | Carolina Cannabinoids LLC.

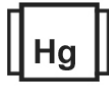
5104 Reagan Drive
Charlotte, NC, 28206, US



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



Total THC

0

/Container : 0 mg



Total CBD

0

CBD/Container : 1,009.20 mg



Total Cannabinoids

0

Total Cannabinoids / Container : 0



Filtration

PASSED

Analyte	LOD	Units	Result	P/F	Action Level
Filtration and Foreign Material	0	%	0		5
Analyzed By	Weight	Extraction date	Extracted By		
584	1g	01/28/20	584		
Analysis Method -SOP.T.40.090		Batch Date : 01/28/20 09:44:43			
Analytical Batch -DA009779FIL					
Instrument Used :					

Filtration and foreign material inspection is performed by visual inspection utilizing naked eye and microscope technologies in accordance with F.S. Rule 64ER20-39.

	TOTAL CANNABINOIDS	TOTAL CBD	TOTAL THC	CBC	CBGA	CBG	THCV	DB-THC	CBDV	CBN	CBDA	CBD	DB-THC	THCA
%	0	0	0	0	0	0	0	0	0.007	0	0	3.364	0	0
mg/ml	0	0.001	0.001	0.001	0.001	0.001	0.001	0.001	<0.1	0.001	0.001	0.0001	0.0001	0.001
LOD	0	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.0001	0.0001	0.001
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%

Cannabinoid Profile Test

Analyzed by 1224	Weight 3.1783g	Extraction date : 02/04/20 10:02:45	Extracted By : 965
Analysis Method -SOP.T.40.031, SOP.T.30.031		Batch Date : 01/28/20 10:15:10	
Analytical Batch -DA009965POT Instrument Used : DA-LC-003		Running On :	

Dilution : 400
Reagent : 123019.R09; 011020.R11; 020320.R09; 020320.R10
Consumables : 5FN-BX-1025; 849C4-849AK; 840C6-840H

Full Spectrum cannabinoid analysis utilizing High Performance Liquid Chromatography with UV detection in accordance with F.S. Rule 64ER20-39.



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5104 Reagan Drive

Charlotte, NC, 28206, US

Telephone: (919) 961-2204

Email: barany.jeganath@carolinacannabinoids.us

Batch# : EC 01-1219

Sampled : 01/23/20

Odered : 01/23/20

Sample Size Received : 30 ml

Total Weight/Volume : 30 ml

Completed : 02/11/20 Expires: 02/11/21

Sample Method : SOP Client Method

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Pesticides

PASSED

Pesticide	LOD	Units	Action Level	Pass/Fail	Result	Pesticide	LOD	Units	Action Level	Pass/Fail	Result
ABAMECTIN B1A	0.02	ppm	0.3	0	0	PHOSMET	0.01	ppm	0.2	0	0
ACEPHATE	0.001	ppm	3	0	0	PIPERONYL BUTOXIDE	0.01	ppm	3	0	0
ACEQUINOCYL	0.01	ppm	2	0	0	PRALLETHRIN	0.05	ppm	0.4	0	0
ACETAMIPRID	0.01	ppm	3	0	0	PROPICONAZOLE	0.01	ppm	1	0	0
ALDICARB	0.02	ppm	0.1	0	0	PROPOXUR	0.01	ppm	0.1	0	0
AZOXYSTROBIN	0.01	ppm	3	0	0	PYRETHRINS	0.01	ppm	1	0	0
BIFENAZATE	0.01	ppm	3	0	0	PYRIDABEN	0.01	ppm	3	0	0
BIFENTHRIN	0.01	ppm	0.5	0	0	SPINETORAM	0.01	PPM	3	0	0
BOSCALID	0.01	PPM	3	0	0	SPIROMESIFEN	0.01	ppm	3	0	0
CAPTAN	0.05	ppm	3	0	0	SPIROTETRAMAT	0.02	ppm	3	0	0
CARBARYL	0.01	ppm	0.5	0	0	SPIROXAMINE	0.01	ppm	0.1	0	0
CARBOFURAN	0.01	ppm	0.1	0	0	TEBUCONAZOLE	0.01	ppm	1	0	0
CHLORANTRANILIPROLE	0.01	ppm	3	0	0	THIACLOPRID	0.01	ppm	0.1	0	0
CHLORDANE	0.005	ppm	0.1	0	0	THIAMETHOXAM	0.01	ppm	1	0	0
CHLORFENAPYR	0.01	ppm	0.1	0	0	TOTAL CONTAMINANT LOAD (PESTICIDES)	0.1	PPM	20	0	0
CHLORPYRIFOS	0.01	ppm	0.1	0	0	TOTAL PERMETHRIN	1	ppm	1	0	0
CLOFENTEZINE	0.01	ppm	0.5	0	0	TOTAL SPINOSAD	1	ppm	3	0	0
COUMAPHOS	0.005	ppm	0.1	0	0	TRIFLOXYSTROBIN	0.01	ppm	3	0	0
CYPERMETHRIN	0.01	ppm	1	0	0						
DAMINOZIDE	0.02	ppm	0.1	0	0						
DIAZANON	0.01	ppm	0.2	0	0						
DICHLORVOS	0.05	ppm	0.1	0	0						
DIMETHOATE	0.01	ppm	0.1	0	0						
DIMETHOMORPH	0.005	ppm	3	0	0						
ETHOPROPHOS	0.01	ppm	0.1	0	0						
ETOFENPROX	0.01	ppm	0.1	0	0						
ETOXAZOLE	0.01	ppm	1.5	0	0						
FENHEXAMID	0.01	ppm	3	0	0						
FENOXYCARB	0.01	ppm	0.1	0	0						
FENPYROXIMATE	0.01	ppm	2	0	0						
FIPRONIL	0.02	ppm	0.1	0	0						
FLONICAMID	0.01	ppm	2	0	0						
FLUDIOXONIL	0.01	ppm	3	0	0						
HEXYTHIAZOX	0.01	ppm	2	0	0						
IMAZALIL	0.01	ppm	0.1	0	0						
IMIDACLOPRID	0.01	ppm	3	0	0						
KRESOXIM-METHYL	0.01	ppm	1	0	0						
MALATHION	0.01	ppm	2	0	0						
METALAXYL	0.01	ppm	3	0	0						
METHIOCARB	0.01	ppm	0.1	0	0						
METHOMYL	0.01	ppm	0.1	0	0						
MEVINPHOS	0.01	ppm	0.1	0	0						
MYCLOBUTANIL	0.01	ppm	3	0	0						
NALED	0.01	ppm	0.5	0	0						
OXAMYL	0.01	ppm	0.5	0	0						
PACLOBUTRAZOL	0.01	ppm	0.1	0	0						



Pesticides

PASSED

Analysis Method - SOP.T.30.101.FL, SOP.T.30.102.FL, SOP.T.30.151.FL, SOP.T.40.101.FL, SOP.T.40.102.FL, SOP.T.40.151.FL
Analytical Batch -
Instrument Used : DA-LCMS-001_DER **Reviewed On :**
Running on : **Batch Date** : 01/28/20 09:50:08

Analyzed by: 585 **Weight:** 1.0008g **Extraction date:** 01/29/20 04:01:20 **Extracted by:** 585

Dilution : 10
Reagent : 012420.R08; 012420.R09
Consumables : 180711

Testing for agricultural agents is performed utilizing Liquid Chromatography Triple-Quadrupole Mass Spectrometry and Gas Chromatography Triple-Quadrupole Mass Spectrometry in accordance with F.S. Rule 64ER20-39.



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Batch# : EC 01-1219

Sampled : 01/23/20

Odered : 01/23/20

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Total Weight/Volume : 30 ml

Completed : 02/11/20 Expires: 02/11/21

Sample Method : SOP Client Method

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Residual Solvents

PASSED

Solvents	LOD	Units	Action Level	Pass/Fail	Result
BUTANES (N-BUTANE)	96	ppm	5000		38.0633
CHLOROFORM	0.18	ppm	2		0
1,2-DICHLOROETHANE	0.18	ppm	2		0
1,1-DICHLOROETHENE	1	ppm	8		0
DICHLOROMETHANE	3.75	ppm	125		0
ETHANOL	90	ppm	1000000		0
ETHYL ACETATE	36	ppm	400		13.4234
ETHYL ETHER	45	ppm	500		18.133
ETHYLENE OXIDE	0.6	ppm	5		0
HEPTANE	45	ppm	5000		0
METHANOL	22.5	ppm	250		11.0997
N-HEXANE	4.5	ppm	250		3.6486
PENTANES (N-PENTANE)	67.5	ppm	750		0
ACETONE	67.5	ppm	750		25.5152
PROPANE	120	ppm	5000		0
ACETONITRILE	5.4	ppm	60		2.0983
TOLUENE	13.5	ppm	150		3.1997
BENZENE	0.09	ppm	1		0
TOTAL XYLENES	13.5	ppm	150		0
2-PROPANOL	45	ppm	500		8.8768
TRICHLOROETHYLENE	2.25	ppm	25		0



Solvents

PASSED

Analyzed by	Weight	Extraction date	Extracted By
850	0.0293g	01/28/20 12:01:48	584

Analysis Method -SOP.T.40.041.FL
 Analytical Batch -DA009791SOL
 Instrument Used : Headspace GCMS
 Running On :
 Batch Date : 01/28/20 12:12:06

Dilution : 1

Reagent :

Consumables : 00276446; 161040-1; 24152436

Residual solvents analysis is performed utilizing Gas Chromatography Mass Spectrometry in accordance with with F.S. Rule 64ER20-39.



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Harvest/Lot ID: EC 01-1219
Batch# : EC 01-1219
Sampled : 01/23/20
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Sample Size Received : 30 ml
Total Weight/Volume : 30 ml
Completed : 02/11/20 Expires: 02/11/21
Sample Method : SOP Client Method

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 Microbial PASSED						 Mycotoxins PASSED					
Analyte	LOD	Units	Result	Pass / Fail	Action Level	Analyte	LOD	Units	Result	Pass / Fail	Action Level
ASPERGILLUS FLAVUS	10000	RFU	70	10000		AFLATOXIN G2	0.002	ppm	0	0.02	
ASPERGILLUS FUMIGATUS	10000	RFU	193	10000		AFLATOXIN G1	0.002	ppm	0	0.02	
ASPERGILLUS NIGER	10000	RFU	0	10000		AFLATOXIN B2	0.002	ppm	0	0.02	
ASPERGILLUS TERREUS	10000	RFU	147	10000		AFLATOXIN B1	0.002	ppm	0	0.02	
ESCHERICHIA COLI SHIGELLA SPP	10000	RFU	0	10000		OCHRATOXIN A+	0.002	ppm	0	0.02	
SALMONELLA SPECIFIC GENE	10000	RFU	39	10000							


<p>Analysis Method - SOP.T.40.041, SOP.T.40.043, SOP.T.40.045, SOP.T.40.056B, SOP.T.40.058.FL, SOP.T.40.208 Analytical Batch - Instrument Used : PathogenDX PCR_Array Scanner Running on :</p>	<p>Reviewed On : Batch Date : 01/28/20 08:46:10</p>
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<p>Analyzed by: NA Weight: Extraction date: NA Extracted by: NA</p>	<p>Analyzed by: 585 Weight: 1g Extraction date: NA Extracted by: NA</p>
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<p>Dilution : Reagent : 012420.R10 Consumables : 2802012; 2803024; A03; 010A; 021; 2805022; 19193; 23819111; 012</p>	<p>Analysis Method -SOP.T.30.101.FL, SOP.T.40.101.FL, SOP.T.30.102.FL, SOP.T.40.102.FL Analytical Batch -DA009781 Instrument Used : DA-LCMS-001_DER Running On : Batch Date : 01/28/20 09:51:14</p>
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Mycotoxins testing utilizing Liquid Chromatography with Triple-Quadrupole Mass Spectrometry in accordance with F.S. Rule 64ER20-39.

Microbial testing is performed utilizing various technologies including: PCR, RTPCR, MPN, and traditional culture based techniques in accordance with F.S. Rule 64ER20-39..

 Heavy Metals PASSED					
Metal	LOD	Units	Result	Pass / Fail	Action Level
ARSENIC	0.01	PPM	0.0003		1.5
CADMIUM	0.01	PPM	0.0001		0.5
LEAD	0.01	PPM	0.0027		0.5
MERCURY	0.01	PPM	0.0024		3

<p>Analyzed by: 53 Weight: 0.2513g Extraction date: NA Extracted by: NA</p>	<p>Analysis Method -SOP.T.30.081.FL, SOP.T.30.082.FL, SOP.T.40.081.FL, SOP.T.40.082.FL Analytical Batch -DA009769HEA Instrument Used : ICPMS-2030 Running On : Batch Date : 01/28/20 08:36:28</p>
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Dilution : 50
Reagent : 012420.R17; 012720.R18; 011620.R12; 011420.R03; 011520.R01; 012420.R01; 010220.R04; 012420.R13
Consumables :

Heavy Metals analysis is performed using Inductively Coupled Plasma Mass Spectrometry in accordance with F.S. Rule 64ER20-39.