



Certificate of Analysis

Jan 19, 2021 | Southern Sun

11613 SW 234th St
Archer, FL, 32618, US

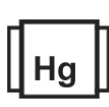
Sample:GA10112005-001
Harvest/Lot ID: CBD GUMMY SQUARES
Seed to Sale #N/A
Batch Date :01/12/21
Batch#: CBD GUMMY SQUARES
Sample Size Received: 46 gram
Total Weight/Volume: N/A
Retail Product Size: 46 gram
Ordered : 01/12/21
sampled : 01/12/21
Completed: 01/19/21
Sampling Method: SOP Client Method

PASSED

Page 1 of 4


PRODUCT IMAGE

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
CANNABINOID RESULTS

Total THC
0.000%
TOTAL THC/Container :0.000 mg

Total CBD
1.766%
TOTAL CBD/Container :812.562 mg

Total Cannabinoids
1.766%
Total Cannabinoids/Container :812.562 mg

	CBDV	CBDA	CBGA	CBG	CBD	THCV	CBN	D9-THC	D8-THC	CBC	THCA	TOTAL CA	TOTAL CB	TOTAL TH
%	<0.010	<0.010	ND	ND	1.7660	ND	ND	ND	ND	ND	ND	1.7660	1.7660	ND
mg/g	<0.010	<0.010	ND	ND	17.6600	ND	ND	ND	ND	ND	ND	17.6600	17.6600	ND
LOD	0.0010	0.0010	0.0010	0.0010	0.0001	0.0010	0.0010	0.0001	0.0010	0.0010	0.0010	0.0000	0.0000	0.0000
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%

	Filtration	
	PASSED	

Analyzed By	Weight	Extraction date	Extracted By
1791	50.3g	01/12/21	1791
Analyte	LOD	Batch Date	Result
Filtration and Foreign Material	0.1	01/12/21 12:28:42	ND
Analysis Method -SOP.T.40.013		Reviewed On - 01/12/21 18:03:03	
Instrument Used -GA021054FIL			

This includes but is not limited to hair, insects, feces, packaging contaminants, and manufacturing waste and by-products. An SH-20/T Stereo Microscope is used for inspection.

Cannabinoid Profile Test

Analyzed by	Weight	Extraction date :	Extracted By :
2338	3.0123g	01/13/21 07:01:25	2103
Analysis Method -SOP.T.40.020, SOP.T.30.050		Reviewed On - 01/15/21 11:49:26	Batch Date : 01/13/21 14:32:46
Analysis Batch -GA021118POT		Instrument Used : GA-HPLC-001 2030C Plus (Carl)	
Reagent	Dilution	Consumers. ID	
010621.07	40	282066106	
110519.13		VAV-09-1020 Lot# 947.077	
011321.R14		6970145500298	
011221.R01		190624060	
		16466-042	

Full spectrum cannabinoid analysis utilizing High Performance Liquid Chromatography with UV detection (HPLC-UV). (Method: SOP.T.30.050 for sample prep and Shimadzu High Sensitivity Method SOP.T.40.020 for analysis. LOD for all cannabinoids is 1 mg/L).

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Rob Bruton
Lab Director

State License # CMTL-0001
ISO Accreditation # ISO/IEC
17025:2017 Accreditation
PJLA-Testing 97164

Signature

01/19/21

Signed On



Certificate of Analysis

PASSED

11613 SW 234th St
Archer, FL, 32618, US
Telephone: (954) 336-1166
Email: southernuncbd@gmail.com

Sample : GA10112005-001

Harvest/LOT ID: CBD GUMMY SQUARES

Batch# : CBD GUMMY SQUARES

Sampled : 01/12/21

Ordered : 01/12/21

Sample Size Received : 46 gram

Total Weight/Volume : N/A

Completed : 01/19/21 **Expires:** 01/19/22

Sample Method : SOP Client Method

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Pesticides

PASSED

Pesticides	LOD	Units	Action Level	Result	Pesticides	LOD	Units	Action Level	Result
ABAMECTIN B1A	0.01	ppm	0.3	ND	PYRETHRINS	0.05	ppm	1	ND
ACEPHATE	0.01	ppm	3	ND	PYRIDABEN	0.02	ppm	3	ND
ACEQUINOCYL	0.01	ppm	2	ND	SPIROMESIFEN	0.01	ppm	3	ND
ACETAMIPRID	0.01	ppm	3	ND	SPIROTETRAMAT	0.01	ppm	3	ND
ALDICARB	0.01	ppm	0.1	ND	SPIROXAMINE	0.01	ppm	0.1	ND
AZOXYSTROBIN	0.01	ppm	3	ND	TEBUCONAZOLE	0.01	ppm	1	ND
BIFENAZATE	0.01	ppm	3	ND	THIACLOPRID	0.01	ppm	0.1	ND
BIFENTHRIN	0.01	ppm	0.5	ND	THIAMETHOXAM	0.05	ppm	1	ND
BOSCALID	0.01	PPM	3	ND	TOTAL CONTAMINANT LOAD (PESTICIDES)	0.01	PPM	20	ND
CARBARYL	0.05	ppm	0.5	ND	TOTAL DIAZINON	0.01	PPM	0.2	ND
CARBOFURAN	0.01	ppm	0.1	ND	TOTAL DIMETHOMORPH	0.02	PPM	3	ND
CHLORANTRANILIPROLE	0.1	ppm	3	ND	TOTAL PERMETHRIN	0.01	ppm	1	ND
CHLORMEQUAT CHLORIDE	0.1	ppm	3	ND	TOTAL SPINETORAM	0.02	PPM	3	ND
CHLORPYRIFOS	0.01	ppm	0.1	ND	TOTAL SPINOSAD	0.01	ppm	3	ND
CLOFENTEZINE	0.02	ppm	0.5	ND	TRIFLOXYSTROBIN	0.01	ppm	3	ND
COUMAPHOS	0.01	ppm	0.1	ND	PENTACHLORONITROBENZENE (PCNB)	0.01	PPM	0.2	ND
DAMINOZIDE	0.01	ppm	0.1	ND	PARATHION-METHYL *	0.01	PPM	0.1	ND
DICHLORVOS	0.01	ppm	0.1	ND	CHLORDANE *	0.01	PPM	0.1	ND
DIMETHOATE	0.01	ppm	0.1	ND	CAPTAN *	0.025	PPM	3	ND
ETHOPROPHOS	0.01	ppm	0.1	ND	CHLORFENAPYR *	0.01	PPM	0.1	ND
ETOFENPROX	0.01	ppm	0.1	ND	CYFLUTHRIN *	0.01	PPM	1	ND
ETOXAZOLE	0.01	ppm	1.5	ND	CYPERMETHRIN *	0.01	PPM	1	ND
FENHEXAMID	0.01	ppm	3	ND					
FENOXYCARB	0.01	ppm	0.1	ND					
FENPYROXIMATE	0.01	ppm	2	ND					
FIPRONIL	0.01	ppm	0.1	ND					
FLONICAMID	0.01	ppm	2	ND					
FLUDIOXONIL	0.01	ppm	3	ND					
HEXYTHIAZOX	0.01	ppm	2	ND					
IMAZALIL	0.01	ppm	0.1	ND					
IMIDACLOPRID	0.04	ppm	3	ND					
KRESOXIM-METHYL	0.01	ppm	1	ND					
MALATHION	0.02	ppm	2	ND					
METALAXYL	0.01	ppm	3	ND					
METHIOCARB	0.01	ppm	0.1	ND					
METHOMYL	0.01	ppm	0.1	ND					
MEVINPHOS	0.01	ppm	0.1	ND					
MYCLOBUTANIL	0.01	ppm	3	ND					
NALED	0.025	ppm	0.5	ND					
OXAMYL	0.05	ppm	0.5	ND					
PACLOBUTRAZOL	0.01	ppm	0.1	ND					
PHOSMET	0.01	ppm	0.2	ND					
PIPERONYL BUTOXIDE	0.3	ppm	3	ND					
PRALLETHRIN	0.01	ppm	0.4	ND					
PROPICONAZOLE	0.01	ppm	1	ND					
PROPOXUR	0.01	ppm	0.1	ND					



Pesticides

PASSED
Analyzed by 1850 , 650 **Weight** 0.9959g **Extraction date** 01/14/21 10:01:29 **Extracted By** 1850 , 650

Analysis Method - SOP.T.30.065, SOP.T.40.065, SOP.T.40.066, SOP.T.40.070 , SOP.T.30.065, SOP.T.40.070

Analytical Batch - GA021145PES , GA021164VOL

Reviewed On - 01/12/21 18:03:03

Instrument Used : GA-LCMS-001 Pes , GA-GCMS-003 Triple Quad Pest (Indica)
Running On : 01/15/21 11:51:33

Batch Date : 01/14/21 09:31:39

Reagent	Dilution	Consums. ID
123120.A02	10	282066106
011321.A05		VAV-09-1020 Lot# 947.077
011321.A04		6970145500298
		VAV-09-1020 (947.077) / ALK-09-1412 (9291.179)
		P734631 / P7411895

Pesticide screen is performed using LC-MS and/or GC-MS which can screen down to below single digit ppb concentrations for regulated Pesticides. Currently we analyze for 67 Pesticides. (Method: SOP.T.30.060 Sample Preparation for Pesticides Analysis via LCMSMS and GCMSMS.

SOP.T.40.065/SOP.T.40.066/SOP.T.40.070 Procedure for Pesticide Quantification Using LCMS and GCMS). * Volatile Pesticide screening is performed using GC-MS which can screen down to below single digit ppb concentrations for regulated Pesticides. Analytes marked with an asterisk were tested using GC-MS.

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Rob Bruton
Lab Director

State License # CMTL-0001
ISO Accreditation # ISO/IEC
17025:2017 Accreditation
PJLA-Testing 97164


Signature

01/19/21

Signed On



Certificate of Analysis

PASSED

 11613 SW 234th St
 Archer, FL, 32618, US
Telephone: (954) 336-1166
Email: southernuncbd@gmail.com

Sample : GA10112005-001

Harvest/LOT ID: CBD GUMMY SQUARES

Batch# : CBD GUMMY SQUARES

Sampled : 01/12/21

Ordered : 01/12/21

Sample Size Received : 46 gram

Total Weight/Volume : N/A

Completed : 01/19/21 **Expires:** 01/19/22

Sample Method : SOP Client Method

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	Residual Solvents	PASSED
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	Residual Solvents	PASSED
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Solvent	LOD	Units	Action Level (PPM)	Pass/Fail	Result
METHANOL	25	ppm	250	PASS	ND
ETHANOL	500	ppm	5000	PASS	ND
PENTANES (N-PENTANE)	75	ppm	750	PASS	ND
ETHYL ETHER	50	ppm	500	PASS	ND
ACETONE	75	ppm	750	PASS	ND
2-PROPANOL	50	ppm	500	PASS	ND
ACETONITRILE	6	ppm	60	PASS	ND
DICHLOROMETHANE	12.5	ppm	125	PASS	ND
N-HEXANE	25	ppm	250	PASS	ND
ETHYL ACETATE	40	ppm	400	PASS	ND
BENZENE	0.1	ppm	1	PASS	ND
HEPTANE	500	ppm	5000	PASS	ND
TOLUENE	15	ppm	150	PASS	ND
TOTAL XYLENES	15	ppm	150	PASS	ND
PROPANE	500	ppm	5000	PASS	ND
CHLOROFORM	0.2	ppm	2	PASS	ND
1,2-DICHLOROETHANE	0.2	ppm	2	PASS	ND
BUTANES (N-BUTANE)	500	ppm	5000	PASS	ND
ETHYLENE OXIDE	0.5	ppm	5	PASS	ND
1,1-DICHLOROETHENE	0.8	ppm	8	PASS	ND
TRICHLOROETHYLENE	2.5	ppm	25	PASS	ND

Analyzed by 1541	Weight 0.0207g	Extraction date 01/15/21 07:01:45	Extracted By 1541
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Analysis Method -SOP.T.40.032
Analytical Batch -GA021173SOL **Reviewed On - 01/16/21 16:39:32**
Instrument Used : GA-GCMS-001 Headspace Solvent
Running On : 01/15/21 11:17:25
Batch Date : 01/15/21 07:19:46

Reagent	Dilution	Consums. ID
		24154107 ach-20-1720

Residual solvents screening is performed using GC-MS which can detect below single digit ppm concentrations. Currently we analyze for 21 Residual solvents.(Method: SOP.T.40.032 Residual Solvents Analysis via GC-MS).



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PASSED

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Archer, FL, 32618, US
Telephone: (954) 336-1166
Email: southernuncbd@gmail.com

Sample : GA10112005-001

Harvest/LOT ID: CBD GUMMY SQUARES

Batch# : CBD GUMMY SQUARES

Sampled : 01/12/21

Ordered : 01/12/21

Sample Size Received : 46 gram

Total Weight/Volume : N/A

Completed : 01/19/21 **Expires:** 01/19/22

Sample Method : SOP Client Method

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	Microbials	PASSED
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Analyte	LOD	Result	Action Level (cfu/g)
ASPERGILLUS_FLAVUS		not present in 1 gram.	
ASPERGILLUS_FUMIGATUS		not present in 1 gram.	
ASPERGILLUS_NIGER		not present in 1 gram.	
ASPERGILLUS_TERREUS		not present in 1 gram.	
ESCHERICHIA_COLI_SHIGELLA_SPP		not present in 1 gram.	
SALMONELLA_SPECIFIC_GENE		not present in 1 gram.	

Analysis Method -SOP.T.40.043 / SOP.T.40.044 / SOP.T.40.041

Analytical Batch -GA021071MIC **Batch Date :** 01/12/21

Instrument Used :
Running On :

Analyzed by	Weight	Extraction date	Extracted By
1828	1.19g	01/13/21	1790

Reagent	Dilution	Consums. ID
110320.27	10	001001 001001 002005

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. Pour-plating is used for quantitation and confirmation, Total Yeast and Mold has an action limit of 100,000 CFU.

	Mycotoxins	PASSED
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Analyte	LOD	Units	Result	Action Level (PPM)
AFLATOXIN G2	0.002	ppm	ND	0.02
AFLATOXIN G1	0.002	ppm	ND	0.02
AFLATOXIN B2	0.002	ppm	ND	0.02
AFLATOXIN B1	0.002	ppm	ND	0.02
TOTAL OCHRATOXIN A	0.002	PPM	ND	0.02

Analysis Method -SOP.T.30.065, SOP.T.40.065

Analytical Batch -GA021147MYC | **Reviewed On -** 01/19/21 10:47:02

Instrument Used : GA-LCMS-001 MYC

Running On :
Batch Date : 01/14/21 09:38:06

Analyzed by	Weight	Extraction date	Extracted By
1850	0.9959g	01/19/21 09:01:14	1850

Aflatoxins B1, B2, G1, G2, and Ochratoxins A testing using LC-MS. (Method: SOP.T.30.065 for Sample Preparation and SOP.T.40.065 Procedure for Mycotoxins Quantification Using LCMS. LOQ 1.0 ppb). Aflatoxin B1, B2, G1, and G2 must individually be <20ug/Kg. Ochratoxins must be <20ug/Kg.

	Heavy Metals	PASSED
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Reagent	Reagent	Dilution	Consums. ID
092920.39	081420.12	50	190624060
010821.R12			106667-05-100719
010721.R05			
010621.R12			
111320.R17			
110519.13			

Metal	LOD	Unit	Result	Action Level (PPM)
ARSENIC	0.02	PPM	ND	1.5
CADMIUM	0.02	PPM	ND	0.5
MERCURY	0.02	PPM	ND	3
LEAD	0.05	PPM	ND	0.5

Analyzed by	Weight	Extraction date	Extracted By
650	0.5114g	01/13/21 06:01:55	2103

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

Analytical Batch -GA021120HEA | **Reviewed On -** 01/14/21 16:48:49

Instrument Used : GA-ICPMS-001-DER (Ice Princess)

Running On :
Batch Date : 01/13/21 16:03:47

Heavy Metals screening is performed using ICP-MS (Inductively Coupled Plasma - Mass Spectrometer) which can screen down to below single digit ppb concentrations for regulated heavy metals using Method SOP.T.30.052 Sample Preparation for Heavy Metals Analysis via ICP-MS and SOP.T.40.050 Heavy Metals Analysis via ICP-MS.

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Rob Bruton
Lab Director

State License # CMTL-0001
ISO Accreditation # ISO/IEC
17025:2017 Accreditation
PJLA-Testing 97164


Signature

01/19/21

Signed On