



Certificate of Analysis

Sample: DA00316007-003
 Harvest/Lot ID: LD75003E
 Seed to Sale #NA
 Batch Date :N/A
 Batch#: LD75003E
 Sample Size Received: 750
 Retail Product Size: 12.69
 Ordered : 03/10/20
 Sampled : 03/10/20
 Completed: 03/18/20 Expires: 03/18/21
 Sampling Method: SOP Client Method

Mar 18, 2020 | PharmaCanna

2615 state Road 7 Wellington
 FL, United States 33414



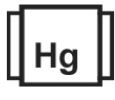
PASSED

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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

MISC.

CANNABINOID RESULTS



Total THC
0.000%
THC/Container :0.000 mg



Total CBD
5.353%
CBD/Container :679.296 mg



Total Cannabinoids
5.388%
Total Cannabinoids/Container :683.737 mg

CBC	CBGA	CBG	THCV	D8-THC	CBDV	CBN	CBDA	CBD	D9-THC	THCA
ND	ND	ND	ND	ND	0.035 %	ND	ND	5.353 %	ND	ND
ND	ND	ND	ND	ND	0.350 mg/g	ND	ND	53.530 mg/g	ND	ND
LOD 0.001 %	0.001 %	0.001 %	0.001 %	0.001 %	0.001 %	0.001 %	0.001 %	0.0001 %	0.0001 %	0.001 %

Filtration PASSED

Analyzed By 584 Weight 1g Extraction date 03/16/20 LOD(ppm) 584 Extracted By 584
 Analysis Method -SOP.T.40.013 Batch Date : 03/16/20 10:47:20
 Analytical Batch -DA010996FIL Reviewed On - 03/16/20 10:58:52
 Instrument Used : Filtration/Foreign Material Microscope

This includes but is not limited to hair, insects, feces, packaging contaminants, and manufacturing waste and by-products. An SH-2B/T Stereo Microscope is used for inspection.

Cannabinoid Profile Test

Analyzed by 1224 Weight 3.0455g Extraction date : 03/16/20 01:03:01 Extracted By : 574
 Analysis Method -SOP.T.40.020, SOP.T.30.050 Reviewed On - 03/17/20 09:17:43
 Analytical Batch -DA010988POT Instrument Used : DA-LC-003 Batch Date : 03/16/20 09:43:33

Reagent Dilution 400 Consums. ID

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. LOQ for all cannabinoids is 1 mg/L).

Label Claim

Analyte	LOD	Units	Result
SERVINGS	1	servings	30.000
THC/SERVING	1	mg	ND
CBD/SERVING	1	mg	22.643

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Jorge Segredo
Lab Director

State License # n/a
ISO Accreditation # 97164



Signature

03/18/2020

Signed On



Certificate of Analysis

PASSED

PharmaCanna

2615 state Road 7 Wellington
FL, United States 33414
Telephone: 9543050078
Email: johnny@pharmacanna.us

Sample : DA00316007-003

Harvest/LOT ID: LD75003E

Batch# : LD75003E

Sampled : 03/10/20

Ordered : 03/10/20

Sample Size Received : 750

Completed : 03/18/20 Expires: 03/18/21

Sample Method : SOP Client Method

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Pesticides

PASSED

Pesticides	LOD	Units	Action Level	Result	Pesticides	LOD	Units	Action Level	Result
DIMETHOATE	0.01	ppm	0.1	ND	DIAZANON	0.01	ppm	0.2	ND
CYPERMETHRIN	0.05	ppm	1	ND	MEVINPHOS	0.01	ppm	0.1	ND
CYFLUTHRIN	0.05	ppm	1	ND	MYCLOBUTANIL	0.01	ppm	3	ND
CHLORFENAPYR	0.01	ppm	0.1	ND	NALED	0.01	ppm	0.5	ND
METHYL PARATHION	0.005	ppm	0.1	ND	OXAMYL	0.01	ppm	0.5	ND
CAPTAN	0.07	ppm	3	ND	PACLOBUTRAZOL	0.01	ppm	0.1	ND
ABAMECTIN B1A	0.02	ppm	0.3	ND	PHOSMET	0.01	ppm	0.2	ND
ACEPHATE	0.001	ppm	3	ND	PIPERONYL BUTOXIDE	0.01	ppm	3	ND
DICHLORVOS	0.05	ppm	0.1	ND	PRALLETHRIN	0.05	ppm	0.4	ND
DIMETHOMORPH	0.005	ppm	3	ND	PROPICONAZOLE	0.01	ppm	1	0.012
ACEQUINOCYL	0.01	ppm	2	ND	PROPOXUR	0.01	ppm	0.1	ND
ACETAMIPRID	0.01	ppm	3	ND	PYRETHRINS	0.01	ppm	1	ND
ETHOPROPHOS	0.01	ppm	0.1	ND	PYRIDABEN	0.01	ppm	3	ND
ALDICARB	0.02	ppm	0.1	ND	SPINETORAM	0.01	PPM	3	ND
ETOFENPROX	0.01	ppm	0.1	ND	SPIROMESIFEN	0.01	ppm	3	ND
AZOXYSTROBIN	0.01	ppm	3	ND	SPIROTETRAMAT	0.02	ppm	3	ND
ETOXAZOLE	0.01	ppm	1.5	ND	SPIROXAMINE	0.01	ppm	0.1	ND
BIFENAZATE	0.01	ppm	3	ND	TEBUCONAZOLE	0.01	ppm	1	ND
FENHEXAMID	0.01	ppm	3	ND	THIACLOPRID	0.01	ppm	0.1	ND
FENOXYCARB	0.01	ppm	0.1	ND	THIAMETHOXAM	0.01	ppm	1	ND
BIFENTHRIN	0.01	ppm	0.5	ND	TOTAL CONTAMINANT LOAD (PESTICIDES)	0.1	ppm	20	0.012
BOSCALID	0.01	PPM	3	ND	TOTAL PERMETHRIN	1	ppm	1	ND
FENPYROXIMATE	0.01	ppm	2	ND	TOTAL SPINOSAD	1	ppm	3	ND
CARBARYL	0.01	ppm	0.5	ND	TRIFLOXYSTROBIN	0.01	ppm	3	ND
FIPRONIL	0.02	ppm	0.1	ND					
FLONICAMID	0.01	ppm	2	ND					
CARBOFURAN	0.01	ppm	0.1	ND					
CHLORANTRANILPROLE	0.01	ppm	3	ND					
FLUDIOXONIL	0.01	ppm	3	ND					
HEXYTHIAZOX	0.01	ppm	2	ND					
IMAZALIL	0.01	ppm	0.1	ND					
IMIDACLOPRID	0.01	ppm	3	ND					
CHLORPYRIFOS	0.01	ppm	0.1	ND					
KRESOXIM-METHYL	0.01	ppm	1	ND					
MALATHION	0.01	ppm	2	ND					
CLOFENTEZINE	0.01	ppm	0.5	ND					
METALAXYL	0.01	ppm	3	ND					
COUMAPHOS	0.005	ppm	0.1	ND					
METHIOCARB	0.01	ppm	0.1	ND					
METHOMYL	0.01	ppm	0.1	ND					
DAMINOZIDE	0.02	ppm	0.1	ND					

 **Pesticides** **PASSED**

Analyzed by 585	Weight 1.0755g	Extraction date 03/16/20 02:03:05	Extracted By 1082
Analysis Method - SOP.T.30.065, SOP.T.40.065, SOP.T40.060, SOP.T.40.070 and SOP.T.40.090 , SOP.T.30.065, SOP.T.40.065, SOP.T40.060 and SOP.T.40.090			
Analytical Batch - DA010984PES		Reviewed On - 03/16/20 10:58:52	
Instrument Used : DA-LCMS-001_DER			
Batch Date : 03/16/20 09:19:57			

Reagent	Dilution	Consums. ID
029720.03 075200.811 031620.812	10	180111 280653964

Pesticide screen is performed using LC-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 SOP.T40.060 Procedure for Pesticide Quantification Using LCMS). Volatile Pesticides may be tested with GCMSMS under SOP.T.40.070 and SOP.T.40.090. * Pesticide screen is performed using GC-MS which can screen down to below single digit ppb concentrations for regulated Pesticides. Currently we analyze for 2 Volatile Pesticides. (Method: SOP.T.30.060 Sample Preparation for Pesticides Analysis via LCMSMS and SOP.T.40.090 Volatile Pesticides Analysis by GC-MS/MS)

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Jorge Segredo
Lab Director
State License # n/a
ISO Accreditation # 97164



Signature

03/18/2020

Signed On



Certificate of Analysis

PASSED

PharmaCanna

2615 state Road 7 Wellington
FL, United States 33414

Telephone: 9543050078

Email: johnny@pharmacanna.us

Sample : DA00316007-003

Harvest/LOT ID: LD75003E

Batch# : LD75003E

Sampled : 03/10/20

Ordered : 03/10/20

Sample Size Received : 750

Completed : 03/18/20 Expires: 03/18/21


Sample Method : SOP Client Method

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Residual Solvents

PASSED



Residual Solvents

PASSED

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

Analyzed by 850 Weight 0.0245g Extraction date 03/17/20 03:03:05 Extracted By 850

Analysis Method -SOP.T.40.032
 Analytical Batch -DA011004SOL Reviewed On - 03/18/20 11:19:33
 Instrument Used : Headspace GCMS
 Batch Date : 03/16/20 15:55:28

Reagent	Dilution	Consums. ID
	1	00279984 161291-1 24154107

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.30.032 Residual Solvents Analysis via GC-MS).

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Jorge Segredo
Lab Director

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03/18/2020

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PASSED

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2615 state Road 7 Wellington
FL, United States 33414

Telephone: 9543050078

Email: johnny@pharmacanna.us

Sample : DA00316007-003

Harvest/LOT ID: LD75003E

Batch# : LD75003E

Sampled : 03/10/20

Ordered : 03/10/20

Sample Size Received : 750

Completed : 03/18/20 Expires: 03/18/21

Sample Method : SOP Client Method

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Mycotoxins
PASSED

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
OCHRATOXIN A+	0.002	ppm	ND	0.02

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

Analytical Batch -DA010987 | Reviewed On - 03/18/20 10:43:07

Instrument Used : DA-LCMS-001_DER

Batch Date : 03/16/20 09:21:46

Analyzed by	Weight	Extraction date	Extracted By
585	1g	03/16/20 06:03:42	585

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 <20µg/Kg.

Reagent	Reagent	Consums. ID
013120.88	121719.42	914C4-914AK
013120.328		929C6-929H
013120.419		50AX26219
121719.24		19323
013120.109		23819111
122719.138		190611634
013120.302		SG298A
013120.144		
020320.65		
013120.336		
013120.394		
121719.15		
013120.212		
013120.290		
022120.140		

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.



Microbials
PASSED

Analyte	Result
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

Analytical Batch -DA010989MIC | Reviewed On - 03/17/20 16:33:20

Instrument Used : PathogenDX PCR_Array Scanner

Batch Date : 03/16/20 09:44:57

Analyzed by	Weight	Extraction date	Extracted By
513	0.8760g	03/16/20 11:03:30	1082

Reagent	Dilution	Consums. ID
082019.47		181019-274
121619.11		181207119C



Heavy Metals
PASSED

Reagent	Reagent	Dilution
030920.R16	030420.R01	50
031720.R01	031020.R02	
031720.R02	111319.02	
031720.R03		
030420.R03		
030920.R02		

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

Analyzed by	Weight	Extraction date	Extracted By
53	0.2554g	03/17/20 11:03:50	457

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

Analytical Batch -DA011019HEA | Reviewed On - 03/18/20 08:21:18

Instrument Used : ICPMS-2030

Batch Date : 03/17/20 10:32:09

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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