



# Certificate of Analysis

Sample: DA00818005-001  
Harvest/Lot ID: E225020  
Seed to Sale #N/A  
Batch Date :N/A  
Batch#: E225020  
Sample Size Received: 30 gram  
Retail Product Size: 0.438 gram  
Ordered : 08/12/20  
Sampled : 08/12/20  
Completed: 09/01/20 Expires: 09/01/21  
Sampling Method: SOP Client Method

Sep 01, 2020 | PharmaCanna

2615 state Road 7  
Wellington, FL, 33414, United States



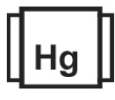
**PASSED**

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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/Capsule : 0.000 mg



Total CBD  
**16.231%**  
CBD/Capsule : 71.092 mg



Total Cannabinoids  
**16.293%**  
Total Cannabinoids/Capsule : 71.363 mg

CBC	CBD	CBDA	CBDV	CBG	CBGA	CBN	D8-THC	D9-THC	THCA	THCV
ND	16.231 %	ND	0.062 %	ND	ND	ND	ND	ND	ND	ND
ND	162.310 mg/g	ND	0.620 mg/g	ND	ND	ND	ND	ND	ND	ND
LOD 0.001 %	0.0001 %	0.001 %	0.001 %	0.001 %	0.001 %	0.001 %	0.001 %	0.0001 %	0.001 %	0.001 %

**Filtration PASSED**

Analyzed By 457 Weight 1g Extraction date NA LOD(ppm) NA Extracted By NA  
Analysis Method -SOP.T.40.013 Batch Date : 08/18/20 13:08:39  
Analytical Batch -DA014878FIL Reviewed On - 08/18/20 14:32:12  
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-26/T Stereo Microscope is used for inspection.

Cannabinoid Profile Test

Analyzed by 450 Weight 1.3180g Extraction date : 08/18/20 05:08:43 Extracted By : 574  
Analysis Method -SOP.T.40.020, SOP.T.30.050 Reviewed On - 08/19/20 12:12:58  
Analytical Batch -DA014866POT Instrument Used : DA-LC-003 Batch Date : 08/18/20 10:34:20

Reagent	Dilution	Consums. ID
032320.20	400	280678841
081320.R18		918C4-918J
081320.R17		914C4-914AK
081420.R03		929C6-929H

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).

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Jorge Segredo  
Lab Director

State License # CMTL-0002  
ISO Accreditation # 97164



Signature

09/01/2020

Signed On



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Wellington, FL, 33414, United States  
Telephone: 9543050078  
Email: johnny@pharmacanna.us

Sample : DA00818005-001  
Harvest/LOT ID: E225020

Batch# : E225020  
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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	PROPICONAZOLE	0.01	ppm	1	ND
ACEPHATE	0.01	ppm	3	ND	PROPOXUR	0.01	ppm	0.1	ND
ACEQUINOCYL	0.01	ppm	2	ND	PYRETHRIN I	0.01	ppm	1	ND
ACETAMIPRID	0.01	ppm	3	ND	PYRETHRIN II	0.01	ppm	1	ND
ALDICARB	0.01	ppm	0.1	ND	PYRETHRINS	0.05	ppm	1	ND
AZOXYSTROBIN	0.01	ppm	3	ND	PYRIDABEN	0.02	ppm	3	ND
BIFENAZATE	0.01	ppm	3	ND	SPINETORAM	0.02	PPM	3	ND
BIFENTHRIN	0.01	ppm	0.5	ND	SPINOSAD (SPINOSYN A)	0.01	ppm	3	ND
BOSCALID	0.01	PPM	3	ND	SPINOSAD (SPINOSYN D)	0.01	ppm	3	ND
CARBARYL	0.05	ppm	0.5	ND	SPIROMESIFEN	0.01	ppm	3	ND
CARBOFURAN	0.01	ppm	0.1	ND	SPIROTETRAMAT	0.01	ppm	3	ND
CHLORANTRANILIPROLE	0.1	ppm	3	ND	SPIROXAMINE	0.01	ppm	0.1	ND
CHLORMEQUAT CHLORIDE	0.1	ppm	3	ND	TEBUCONAZOLE	0.01	ppm	1	ND
CHLORPYRIFOS	0.01	ppm	0.1	ND	THIACLOPRID	0.01	ppm	0.1	ND
CLOFENTEZINE	0.02	ppm	0.5	ND	THIAMETHOXAM	0.05	ppm	1	ND
COUMAPHOS	0.01	ppm	0.1	ND	TOTAL CONTAMINANT LOAD (PESTICIDES)	0	PPM	20	ND
DAMINOZIDE	0.01	ppm	0.1	ND	TOTAL PERMETHRIN	0.01	ppm	1	ND
DIAZANON	0.01	ppm	0.2	ND	TOTAL SPINOSAD	0.01	ppm	3	ND
DICHLORVOS	0.01	ppm	0.1	ND	TRIFLOXYSTROBIN	0.01	ppm	3	ND
DIMETHOATE	0.01	ppm	0.1	ND					
DIMETHOMORPH	0.02	ppm	3	ND					
ETHOPROPHOS	0.01	ppm	0.1	ND					
ETOFENPROX	0.01	ppm	0.1	ND					
ETOXAZOLE	0.01	ppm	1.5	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	0.1	ppm	3	ND					
PRALLETHRIN	0.01	ppm	0.4	ND					



**Pesticides**

PASSED

<b>Analyzed by</b> 585	<b>Weight</b> 0.8416g	<b>Extraction date</b> 08/18/20 05:08:27	<b>Extracted By</b> 1823
<b>Analysis Method</b> - SOP.T.30.065, SOP.T.40.065 , SOP.T.30.065, SOP.T40.070		<b>Reviewed On</b> - 08/18/20 14:32:12	
<b>Analytical Batch</b> - DA014830PES			
<b>Instrument Used</b> : DA-LCMS-001_DER (PES)			
<b>Batch Date</b> : 08/17/20 10:07:01			

Reagent	Dilution	Consums. ID
062226.12	10	280678841
070620.02		76262-590
081820.#11		
081820.#12		
082026.#17		

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.T40.065 Procedure for Pesticide Quantification Using LCMS). \* 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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**Jorge Segredo**  
Lab Director

State License # CMTL-0002  
ISO Accreditation # 97164



Signature

09/01/2020

Signed On



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**PASSED**

PharmaCanna

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


Sample : DA00818005-001  
Harvest/LOT ID: E225020

Batch# : E225020  
Sampled : 08/12/20  
Ordered : 08/12/20

Sample Size Received : 30 gram  
Completed : 09/01/20 Expires: 09/01/21  
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	0.8	ppm	8	PASS	ND
1,2-DICHLOROETHANE	0.2	ppm	5	PASS	ND
2-PROPANOL	50	ppm	500	PASS	ND
ACETONE	75	ppm	5000	PASS	ND
ACETONITRILE	6	ppm	410	PASS	ND
BENZENE	0.1	ppm	2	PASS	ND
BUTANES (N-BUTANE)	500	ppm	2000	PASS	ND
CHLOROFORM	0.2	ppm	60	PASS	ND
DICHLOROMETHANE	12.5	ppm	600	PASS	ND
ETHANOL	500	ppm	5000	PASS	ND
ETHYL ACETATE	40	ppm	5000	PASS	ND
ETHYL ETHER	50	ppm	5000	PASS	ND
ETHYLENE OXIDE	0.5	ppm	5	PASS	ND
HEPTANE	500	ppm	5000	PASS	ND
METHANOL	25	ppm	3000	PASS	ND
N-HEXANE	25	ppm	290	PASS	ND
PENTANES (N-PENTANE)	75	ppm	5000	PASS	ND
PROPANE	500	ppm	2100	PASS	ND
TOLUENE	15	ppm	890	PASS	ND
TOTAL XYLENES	15	ppm	150	PASS	ND
TRICHLOROETHYLENE	2.5	ppm	80	PASS	ND
XYLENES-M (1,3-DIMETHYLBENZENE)	13.5	ppm	2170	PASS	ND
XYLENES-M&P (1,3&1,4-DIMETHYLBENZENE)	27	ppm	2170	PASS	ND
XYLENES-O (1,2-DIMETHYLBENZENE)	13.5	ppm	2170	PASS	ND
XYLENES-P (1,4-DIMETHYLBENZENE)	13.5	ppm	2170	PASS	ND

**Analyzed by** 850      **Weight** 0.0229g      **Extraction date** 08/18/20 04:08:26      **Extracted By** 850  
**Analysis Method -SOP.T.40.032**  
**Analytical Batch -DA014881SOL**      **Reviewed On - 08/20/20 13:26:23**  
**Instrument Used : DA-GCMS-002**  
**Batch Date : 08/18/20 16:30:34**

Reagent	Dilution	Consums. ID
	1	H2017.077 00279984 161291-1

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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Lab Director



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Telephone: 9543050078  
Email: johnny@pharmacanna.us

Sample : DA00818005-001  
Harvest/LOT ID: E225020

Batch# : E225020  
Sampled : 08/12/20  
Ordered : 08/12/20

Sample Size Received : 30 gram  
Completed : 09/01/20 Expires: 09/01/21  
Sample Method : SOP Client Method

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**Microbials**

PASSED



**Mycotoxins**

PASSED

**Analyte**

ASPERGILLUS\_FLAVUS  
ASPERGILLUS\_FUMIGATUS  
ASPERGILLUS\_NIGER  
ASPERGILLUS\_TERREUS  
ESCHERICHIA\_COLI\_SHIGELLA\_SPP  
SALMONELLA\_SPECIFIC\_GENE

**Result Analyte**

not present in 1 gram.  
not present in 1 gram.  
not present in 1 gram.  
not present in 1 gram.  
not present in 1 gram.  
not present in 1 gram.

LOD	Units	Result	Action Level (PPM)
0.002	ppm	ND	0.02
0.002	ppm	ND	0.02
0.002	ppm	ND	0.02
0.002	ppm	ND	0.02
0.002	ppm	ND	0.02

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

Analytical Batch -DA014856MIC Batch Date : 08/18/20

Instrument Used : PathogenDX PCR\_Array Scanner DA-111,PathogenDX PCR\_DA-010

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

Analytical Batch -DA014831MYC | Reviewed On - 08/27/20 15:06:39

Instrument Used : DA-LCMS-001\_DER (MYC)

Batch Date : 08/17/20 10:12:08

Analyzed by	Weight	Extraction date	Extracted By
513	0.8502g	08/18/20	1082

Analyzed by	Weight	Extraction date	Extracted By
585	1g	08/18/20 06:08:13	585

Reagent	Consums. ID	Consums. ID	Consums. ID	Consums. ID
071020.15	181019-274	50AX30819	A07	2808006
101619.03	SG298A	19423	2807006	2811017
	11989-024CC-024	080717	2809005	
	181207119C	850C6-850H	2810014D	
	918C4-918J	2802019	029	
	914C4-914AK	2803029	2804026	

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.

Microbiological testing for Fungal and Bacterial Identification via Polymerase Chain Reaction (PCR) method consisting of sample DNA amplified by 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.



**Heavy Metals**

PASSED

Reagent	Reagent	Dilution	Consums. ID
081320.R13	081720.R24	100	89401-566
081820.R02	081720.R16		
071320.08	081820.R01		
081720.R03	022520.03		
080420.R23	030420.06		
081720.R25	070120.01		

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

Analyzed by	Weight	Extraction date	Extracted By
53	0.2678g	08/18/20 11:08:26	1783

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

Analytical Batch -DA014861HEA | Reviewed On - 08/19/20 08:09:17

Instrument Used : DA-ICPMS-001

Batch Date : 08/18/20 10:00:26

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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