



# Certificate of Analysis

## COMPLIANCE FOR RETAIL

Sample:GA30515003-001  
Harvest/Lot ID: D1200023  
Batch#: D1200023  
Seed to Sale# D1200023  
Batch Date: 05/11/23  
Sample Size Received: 1200 mg  
Total Amount: 1200 mg  
Retail Product Size: 30 ml  
Sample Density: 0.92 g/mL  
Ordered: 05/11/23  
Sampled: 05/11/23  
Completed: 05/19/23  
Sampling Method: SOP.T.20.010.FL

**PASSED**

May 19, 2023 | PharmaCanna

2615 state Road 7  
Wellington, FL, 33414, US



Pages 1 of 5

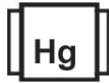
PRODUCT IMAGE



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**

**PASSED**



**CBG**  
**2.034%**  
CBG/Container : 561.384 mg



**Total CBD**  
**2.148%**  
Total CBD/Container : 592.848 mg



**Total Cannabinoids**  
**4.199%**  
Total Cannabinoids/Container : 1158.924 mg

	D9-THC	THCA	CBD	CBDA	D8-THC	CBG	CBGA	CBN	THCV	CBDV	CBC
%	ND	ND	2.148	ND	ND	2.034	ND	ND	ND	0.014	0.003
mg/g	ND	ND	21.48	ND	ND	20.34	ND	ND	ND	0.14	0.03
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: 3192, 3303      Weight: 3.0002g      Extraction date: 05/16/23 11:46:16      Extracted by: 3192

Analysis Method : SOP.T.40.031, SOP.T.30.031  
Analytical Batch : GA060218POT      Reviewed On : 05/17/23 16:29:41  
Instrument Used : GA-HPLC-001 2030C Plus (Infused)      Batch Date : 05/15/23 13:07:17  
Analyzed Date : 05/16/23 16:11:59

Dilution : 400  
Reagent : 062022.14; 010421.44; 030823.04; 071522.04; 041423.R19; 050423.R30  
Consumables : 947.109; 21/05/14; 9291.271; LLS-00-0005; 12558-231CD-231C; RONB32898; 46610-762A; 0000185478; 212823; 944C4 944J; 212147  
Pipette : GA-003; GA-005; GA-007; GA-153; GA-150

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

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**Miranda MacDonald**  
Lab Director



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

Signature  
05/19/23



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**PASSED**

PharmaCanna

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

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Harvest/Lot ID: D1200023

Batch# : D1200023  
Sampled : 05/11/23  
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Completed : 05/19/23 Expires: 05/19/24  
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
<b>TOTAL CONTAMINANT LOAD (PESTICIDES)</b>						<b>OXAMYL</b>	0.01	ppm	0.5	PASS	ND
TOTAL DIMETHOMORPH	0.01	ppm	3	PASS	ND	<b>PACLOBUTRAZOL</b>	0.01	ppm	0.1	PASS	ND
TOTAL PERMETHRIN	0.01	ppm	1	PASS	ND	<b>PHOSMET</b>	0.01	ppm	0.2	PASS	ND
TOTAL PYRETHRINS	0.01	ppm	1	PASS	ND	<b>PIPERONYL BUTOXIDE</b>	0.01	ppm	3	PASS	ND
TOTAL SPINETORAM	0.01	ppm	3	PASS	ND	<b>PRALLETHRIN</b>	0.01	ppm	0.4	PASS	ND
TOTAL SPINOSAD	0.01	ppm	3	PASS	ND	<b>PROPICONAZOLE</b>	0.01	ppm	1	PASS	ND
ABAMECTIN B1A	0.01	ppm	0.3	PASS	ND	<b>PROPOXUR</b>	0.01	ppm	0.1	PASS	ND
ACEPHATE	0.01	ppm	3	PASS	ND	<b>PYRIDABEN</b>	0.01	ppm	3	PASS	ND
ACEQUINOCYL	0.01	ppm	2	PASS	ND	<b>SPIROMESIFEN</b>	0.01	ppm	3	PASS	ND
ACETAMIPRID	0.01	ppm	3	PASS	ND	<b>SPIROTETRAMAT</b>	0.01	ppm	3	PASS	ND
ALDICARB	0.01	ppm	0.1	PASS	ND	<b>SPIROXAMINE</b>	0.01	ppm	0.1	PASS	ND
AZOXYSTROBIN	0.01	ppm	3	PASS	ND	<b>TEBUCONAZOLE</b>	0.01	ppm	1	PASS	ND
BIFENAZATE	0.01	ppm	3	PASS	ND	<b>THIACLOPRID</b>	0.01	ppm	0.1	PASS	ND
BIFENTHRIN	0.01	ppm	0.5	PASS	ND	<b>THIAMETHOXAM</b>	0.01	ppm	1	PASS	ND
BOSCALID	0.01	ppm	3	PASS	ND	<b>TRIFLOXYSTROBIN</b>	0.01	ppm	3	PASS	ND
CARBARYL	0.01	ppm	0.5	PASS	ND	<b>PENTACHLORONITROBENZENE (PCNB) *</b>	0.01	PPM	0.2	PASS	ND
CARBOFURAN	0.01	ppm	0.1	PASS	ND	<b>PARATHION-METHYL *</b>	0.01	PPM	0.1	PASS	ND
CHLORANTRANILIPROLE	0.01	ppm	3	PASS	ND	<b>CAPTAN *</b>	0.07	PPM	3	PASS	ND
CHLORMEQUAT CHLORIDE	0.01	ppm	3	PASS	ND	<b>CHLORDANE *</b>	0.01	PPM	0.1	PASS	ND
CHLORPYRIFOS	0.01	ppm	0.1	PASS	ND	<b>CHLORFENAPYR *</b>	0.01	PPM	0.1	PASS	ND
CLOFENTEZINE	0.01	ppm	0.5	PASS	ND	<b>CYFLUTHRIN *</b>	0.05	PPM	1	PASS	ND
COUMAPHOS	0.01	ppm	0.1	PASS	ND	<b>CYPERMETHRIN *</b>	0.05	PPM	1	PASS	ND
DAMINOZIDE	0.01	ppm	0.1	PASS	ND						
DIAZINON	0.01	ppm	3	PASS	ND	<b>Analyzed by:</b>	<b>Weight:</b>	<b>Extraction date:</b>	<b>Extracted by:</b>		
DICHLORVOS	0.01	ppm	0.1	PASS	ND	795, 2338, 3303	0.2675g	05/18/23 19:53:47	795		
DIMETHOATE	0.01	ppm	0.1	PASS	ND	<b>Analysis Method :</b> SOP.T.30.101.FL (Gainesville), SOP.T.30.102.FL (Davie), SOP.T.40.101.FL (Gainesville), SOP.T.40.102.FL (Davie)					
ETHOPROPHOS	0.01	ppm	0.1	PASS	ND	<b>Analytical Batch :</b> DA060385PES					
ETOFENPROX	0.01	ppm	0.1	PASS	ND	<b>Instrument Used :</b> DA-LCMS-003 (PES)					
ETOXAZOLE	0.01	ppm	1.5	PASS	ND	<b>Analyzed Date :</b> N/A					
FENHEXAMID	0.01	ppm	3	PASS	ND	<b>Dilution :</b> 250					
FENOXYCARB	0.01	ppm	0.1	PASS	ND	<b>Reagent :</b> 051023.R18; 051023.R47; 042623.R45; 051723.R01; 040521.11					
FENPYROXIMATE	0.01	ppm	2	PASS	ND	<b>Consumables :</b> 6697075-02					
FIPRONIL	0.01	ppm	0.1	PASS	ND	<b>Pipette :</b> DA-093; DA-094; DA-219					
FLONICAMID	0.01	ppm	2	PASS	ND	Testing for agricultural agents is performed utilizing Liquid Chromatography Triple-Quadrupole Mass Spectrometry in accordance with F.S. Rule 64ER20-39.					
FLUDIOXONIL	0.01	ppm	3	PASS	ND	<b>Analyzed by:</b>	<b>Weight:</b>	<b>Extraction date:</b>	<b>Extracted by:</b>		
HEXYTHIAZOX	0.01	ppm	2	PASS	ND	2155, 3303	1.0418g	05/17/23 17:07:25	3571		
IMAZALIL	0.01	ppm	0.1	PASS	ND	<b>Analysis Method :</b> SOP.T.30.151.FL (Gainesville), SOP.T.30.151A.FL (Davie), SOP.T.40.151.FL					
IMIDACLOPRID	0.01	ppm	1	PASS	ND	<b>Analytical Batch :</b> GA060275VOL					
KRESOXIM-METHYL	0.01	ppm	1	PASS	ND	<b>Instrument Used :</b> GA-GCMS-006					
MALATHION	0.01	ppm	2	PASS	ND	<b>Analyzed Date :</b> 05/17/23 16:09:09					
METALAXYL	0.01	ppm	3	PASS	ND	<b>Dilution :</b> 50					
METHIOCARB	0.01	ppm	0.1	PASS	ND	<b>Reagent :</b> 051123.R18; 040623.R32; 011122.06					
METHOMYL	0.01	ppm	0.1	PASS	ND	<b>Consumables :</b> 927.100; 9291.084; GA-210; 21/05/14; LLS-00-0005; 296055173; 55447-U.15143701; 944C4 944; 209598; 206639					
MEVINPHOS	0.01	ppm	0.1	PASS	ND	<b>Pipette :</b> GA-002; GA-004; GA-013					
MYCLOBUTANIL	0.01	ppm	3	PASS	ND	Testing for agricultural agents is performed utilizing Gas Chromatography Triple-Quadrupole Mass Spectrometry in accordance with F.S. Rule 64ER20-39.					
NALED	0.01	ppm	0.5	PASS	ND						

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**Miranda MacDonald**  
Lab Director



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

Signature  
05/19/23



# Certificate of Analysis

**PASSED**

PharmaCanna

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

 Sample : GA30515003-001  
 Harvest/Lot ID: D1200023

 Batch# : D1200023  
 Sampled : 05/11/23  
 Ordered : 05/11/23

 Sample Size Received : 1200 mg  
 Total Amount : 1200 mg  
 Completed : 05/19/23 Expires: 05/19/24  
 Sample Method : SOP Client Method

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## Residual Solvents

PASSED

Solvents	LOD	Units	Action Level	Pass/Fail	Result
1,1-DICHLOROETHENE	0.8	ppm	8	PASS	ND
1,2-DICHLOROETHANE	0.2	ppm	2	PASS	ND
2-PROPANOL	50	ppm	500	PASS	ND
ACETONE	75	ppm	750	PASS	ND
ACETONITRILE	6	ppm	60	PASS	ND
BENZENE	0.1	ppm	1	PASS	ND
BUTANES (N-BUTANE)	500	ppm	5000	PASS	ND
CHLOROFORM	0.2	ppm	2	PASS	ND
DICHLOROMETHANE	12.5	ppm	125	PASS	ND
ETHANOL	500	ppm	5000	PASS	<2500
ETHYL ACETATE	40	ppm	400	PASS	ND
ETHYL ETHER	50	ppm	500	PASS	ND
ETHYLENE OXIDE	0.5	ppm	5	PASS	ND
HEPTANE	500	ppm	5000	PASS	ND
METHANOL	25	ppm	250	PASS	ND
N-HEXANE	25	ppm	250	PASS	ND
PENTANES (N-PENTANE)	75	ppm	750	PASS	ND
PROPANE	500	ppm	5000	PASS	ND
TOLUENE	15	ppm	150	PASS	ND
TOTAL XYLENES	15	ppm	150	PASS	ND
TRICHLOROETHYLENE	2.5	ppm	25	PASS	ND

Analyzed by: 2155, 3303	Weight: 0.022g	Extraction date: 05/16/23 12:36:22	Extracted by: 2155
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Analysis Method : SOP.T.40.041.FL Analytical Batch : GA06021650L Instrument Used : GA-GCMS-001 Headspace Solvent Analyzed Date : 05/16/23 10:33:45	Reviewed On : 05/17/23 16:56:28 Batch Date : 05/15/23 12:51:52
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Dilution : N/A  
 Reagent : 010421.47  
 Consumables : R2017.167; G201.167  
 Pipette : GA-253

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



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Sample : GA30515003-001  
Harvest/Lot ID: D1200023

Batch# : D1200023  
Sampled : 05/11/23  
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Sample Size Received : 1200 mg  
Total Amount : 1200 mg  
Completed : 05/19/23 Expires: 05/19/24  
Sample Method : SOP Client Method

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	<b>Microbial</b>	<b>PASSED</b>		<b>Mycotoxins</b>	<b>PASSED</b>
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Analyte	LOD	Units	Result	Pass / Fail	Action Level
<b>ECOLI SHIGELLA</b>			Not Present	PASS	
<b>SALMONELLA SPECIFIC GENE</b>			Not Present	PASS	
<b>ASPERGILLUS FLAVUS</b>			Not Present	PASS	
<b>ASPERGILLUS FUMIGATUS</b>			Not Present	PASS	
<b>ASPERGILLUS TERREUS</b>			Not Present	PASS	
<b>ASPERGILLUS NIGER</b>			Not Present	PASS	
<b>LISTERIA MONOCYTOGENES</b>			Not Present	PASS	
<b>TOTAL YEAST AND MOLD</b>	10	CFU/g	<10	PASS	100000

Analyzed by: 3793, 3721, 2338, 3303      Weight: 0.98g      Extraction date: 05/16/23 12:16:14      Extracted by: 3793

Analysis Method : SOP.T.40.056C, SOP.T.40.058.FL, SOP.T.40.209.FL  
Analytical Batch : GA060263MIC      Reviewed On : 05/19/23 14:50:27  
Instrument Used : GA-200 Bacterial / GA-102 Fungal Incubators      Batch Date : 05/16/23 10:35:14  
Analyzed Date : 05/16/23 12:17:25

Dilution : 10  
Reagent : 092022.51  
Consumables : GA-186; 010205; 258111; 013209; 007109; P-21557211R  
Pipette : GA-154

Analyzed by: 3793, 3721, 2338, 3303      Weight: 0.98g      Extraction date: 05/16/23 12:16:14      Extracted by: 3793

Analysis Method : SOP.T.40.208 (Gainesville), SOP.T.40.209.FL  
Analytical Batch : GA060264TYM      Reviewed On : 05/19/23 14:50:23  
Instrument Used : GA-102 Fungal Incubator (TYM)      Batch Date : 05/16/23 10:35:34  
Analyzed Date : 05/16/23 12:17:29

Dilution : 10  
Reagent : 092022.51  
Consumables : GA-186; 007109; P-21557211R  
Pipette : GA-154

Total yeast and mold testing is performed utilizing MPN and traditional culture based techniques in accordance with F.S. Rule 64ER20-39.

Analyte	LOD	Units	Result	Pass / Fail	Action Level
<b>AFLATOXIN B2</b>	0.002	ppm	ND	PASS	0.02
<b>AFLATOXIN B1</b>	0.002	ppm	ND	PASS	0.02
<b>OCHRATOXIN A</b>	0.002	ppm	ND	PASS	0.02
<b>AFLATOXIN G1</b>	0.002	ppm	ND	PASS	0.02
<b>AFLATOXIN G2</b>	0.002	ppm	ND	PASS	0.02

Analyzed by: 795, 2338, 3303      Weight: 0.2675g      Extraction date: 05/18/23 19:53:47      Extracted by: 795

Analysis Method : SOP.T.30.101.FL (Gainesville), SOP.T.40.101.FL (Gainesville), SOP.T.30.102.FL (Davie), SOP.T.40.102.FL (Davie)  
Analytical Batch : DA060386MYC      Reviewed On : 05/19/23 17:09:44  
Instrument Used : DA-LCMS-003 (MYC)      Batch Date : 05/18/23 19:52:05  
Analyzed Date : N/A

Dilution : 250  
Reagent : N/A  
Consumables : N/A  
Pipette : N/A

Mycotoxins testing utilizing Liquid Chromatography with Triple-Quadrupole Mass Spectrometry in accordance with F.S. Rule 64ER20-39.

	<b>Heavy Metals</b>	<b>PASSED</b>
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Metal	LOD	Units	Result	Pass / Fail	Action Level
<b>TOTAL CONTAMINANT LOAD METALS</b>	0.08	ppm	ND	PASS	5
<b>ARSENIC</b>	0.02	ppm	ND	PASS	1.5
<b>CADMIUM</b>	0.02	ppm	ND	PASS	0.5
<b>MERCURY</b>	0.02	ppm	ND	PASS	3
<b>LEAD</b>	0.02	ppm	ND	PASS	0.5

Analyzed by: 2507, 3303, 2338      Weight: 0.2264g      Extraction date: 05/16/23 16:32:05      Extracted by: 3571

Analysis Method : SOP.T.30.082.FL, SOP.T.40.082.FL  
Analytical Batch : GA060223HEA      Reviewed On : 05/17/23 16:26:50  
Instrument Used : GA-ICPMS-002      Batch Date : 05/15/23 13:11:18  
Analyzed Date : 05/17/23 09:31:02

Dilution : 50  
Reagent : 042723.R27; 050623.R01; 010421.44; 071522.04; 011523.R02; 050623.R02; 110122.R06; 011523.R04  
Consumables : GA-194; GA-195; 209598; 12532-225CD-225C  
Pipette : GA-012

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

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Page 5 of 5

	<b>Filth/Foreign Material</b>	<b>PASSED</b>
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Analyte	LOD	Units	Result	P/F	Action Level
Filth and Foreign Material	0.1	%	ND	PASS	1

Analyzed by: 2507, 3303	Weight: 26.7166g	Extraction date: 05/16/23 11:35:03	Extracted by: 3571
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Analysis Method : SOP.T.40.090	Reviewed On : 05/17/23 17:10:36
Analytical Batch : GA060268FIL	Batch Date : 05/16/23 11:22:57
Instrument Used : GA-Filth/Foreign Material Microscope	
Analyzed Date : N/A	

Dilution : N/A  
Reagent : N/A  
Consumables : N/A  
Pipette : N/A

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

