



Certificate of Analysis

Sample: DA00515012-003

Harvest/Lot ID: 191118

Seed to Sale #N/A

Batch Date :N/A

Batch#: 191118

Sample Size Received: 60 gram

Retail Product Size: 2.247

Ordered : 05/12/20

Sampled : 05/12/20

Completed: 06/16/20 Expires: 06/16/21

Sampling Method: SOP Client Method

PASSED

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Jun 16, 2020 | Biomedical Pharms Labs

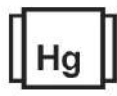
1516 Max Hooks RD
Groveland, Florida, 34736, USA



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
TESTED

MISC.

CANNABINOID RESULTS



Total THC
0.000%
THC/Gummy :0.000 mg



Total CBD
1.793%
CBD/Gummy :38.677 mg



Total Cannabinoids
1.857%
Total Cannabinoids/Gummy :40.058 mg

CBC	CBGA	CBG	THCV	D8-THC	CBDV	CBN	CBDA	CBD	D9-THC	THCA
0.021%	ND	0.043%	ND	ND	ND	ND	ND	1.793%	ND	ND
0.210 mg/g	ND	0.430 mg/g	ND	ND	ND	ND	ND	17.930 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: 53 Weight: NA Extraction date: NA LOD(ppm): NA Extracted By: NA
Analysis Method -SOP.T.40.020, SOP.T.30.050 Batch Date : 05/27/20 11:14:54
Analytical Batch -DA012692FIL Reviewed On - 06/16/20 16:15:02
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: 450 Weight: 3.3334g Extraction date : 05/15/20 12:05:55 Extracted By : 965
Analysis Method -SOP.T.40.020, SOP.T.30.050 Reviewed On - 05/18/20 10:26:45
Analytical Batch -DA012450POT Instrument Used : DA-LC-003 Batch Date : 05/15/20 09:12:42

Reagent: 032320.27 121019.42 Dilution: 400 Consums. ID: 280678841 914C4-914AK 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 # n/a
ISO Accreditation # 97164



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06/16/2020

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Biomedical Pharms Labs

1516 Max Hooks RD
Groveland, Florida, 34736, USA
Telephone: 8133252215
Email: biomedicalpharmslabs@gmail.com

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Harvest/LOT ID: 191118

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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	PRALLETHRIN	0.01	ppm	0.4	ND
ACEPHATE	0.01	ppm	3	ND	PROPIONAZOLE	0.01	ppm	1	ND
ACEQUINOCYL	0.01	ppm	2	ND	PROPOXUR	0.01	ppm	0.1	ND
ACETAMIPRID	0.01	ppm	3	ND	PYRETHRINS	0.05	ppm	1	ND
ALDICARB	0.01	ppm	0.1	ND	PYRIDABEN	0.02	ppm	3	ND
AZOXYSTROBIN	0.01	ppm	3	ND	SPINETORAM	0.02	PPM	3	ND
BIFENAZATE	0.01	ppm	3	ND	SPIROMESIFEN	0.01	ppm	3	ND
BIFENTHRIN	0.01	ppm	0.5	ND	SPIROTETRAMAT	0.01	ppm	3	ND
BOSCALID	0.01	PPM	3	ND	SPIROXAMINE	0.01	ppm	0.1	ND
CARBARYL	0.05	ppm	0.5	ND	TEBUCONAZOLE	0.01	ppm	1	ND
CARBOFURAN	0.01	ppm	0.1	ND	THIACLOPRID	0.01	ppm	0.1	ND
CHLORANTRANILIPROLE	0.1	ppm	3	ND	THIAMETHOXAM	0.05	ppm	1	ND
CHLORMEQUAT CHLORIDE	0.05	ppm	3	ND	TOTAL CONTAMINANT LOAD (PESTICIDES)	0	PPM	20	ND
CHLORPYRIFOS	0.01	ppm	0.1	ND	TOTAL PERMETHRIN	0.01	ppm	1	ND
CLOFENTEZINE	0.02	ppm	0.5	ND	TOTAL SPINOSAD	0.01	ppm	3	ND
COUMAPHOS	0.01	ppm	0.1	ND	TRIFLOXYSTROBIN	0.01	ppm	3	ND
DAMINOZIDE	0.01	ppm	0.1	ND					
DIAZANON	0.01	ppm	0.2	ND					
DICHLORVOS	0.01	ppm	0.1	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					
METHYL PARATHION	0.005	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					

Pesticides		PASSED	
Analyzed by 357	Weight 1.0471g	Extraction date 05/27/20 11:05:25	Extracted By 1082
Analysis Method - SOP.T.30.065, SOP.T.40.065, SOP.T.30.065, SOP.T40.070		Reviewed On - 06/16/20 16:15:02	
Analytical Batch - DA012682PES		Instrument Used : DA-LCMS-001_DER (PES)	
Batch Date : 05/27/20 09:34:33			
Reagent 052620.016 052620.017 052620.020 041720.03	Dilution 10	Consums. ID 280678841 76262-590	
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

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PASSED

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Harvest/LOT ID: 191118

Batch# : 191118
Sampled : 05/12/20
Ordered : 05/12/20


Sample Size Received : 60 gram
Completed : 06/16/20 **Expires:** 06/16/21
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	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		PASS	ND
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 850 **Weight** 0.0222g **Extraction date** 05/27/20 02:05:26 **Extracted By** 850

Analysis Method -SOP.T.40.032
Analytical Batch -DA012705SOL **Reviewed On - 05/28/20 15:45:57**
Instrument Used : DA-GCMS-002
Batch Date : 05/27/20 13:54:13

Reagent	Dilution	Consums. ID
	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.30.032 Residual Solvents Analysis via GC-MS).

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Jorge Segredo
Lab Director
State License # n/a
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PASSED

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Harvest/LOT ID: 191118

Batch# : 191118
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Ordered : 05/12/20

Sample Size Received : 60 gram
Completed : 06/16/20 Expires: 06/16/21
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 -DA012683MYC | Reviewed On - 05/29/20 17:29:42
Instrument Used : DA-LCMS-001_DER (MYC)
Batch Date : 05/27/20 09:35:19

Analyzed by	Weight	Extraction date	Extracted By
357	NA	05/27/20 03:05:43	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	Consums. ID
032720.210	918C4-918J
032720.26	914C4-914AK
032720.97	929C6-929H
032720.74	50AX26219
032720.136	19323
032720.106	23819111
032720.24	190611634
032720.63	
032720.164	
041520.19	
032720.40	
022120.55	
022120.85	
042920.88	

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.



Heavy Metals
PASSED



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 / SOP.T.40.045
Analytical Batch -DA012688MIC | Reviewed On - 05/28/20 17:27:09
Instrument Used : PathogenDX PCR_Array Scanner DA-111,PathogenDX PCR_DA-171
Batch Date : 05/27/20 10:22:27

Analyzed by	Weight	Extraction date	Extracted By
513	1.0433g	05/27/20 11:05:01	1082

Reagent	Reagent	Dilution	Consums. ID
051820.R24	052020.R15	100	89401-566
052720.R01	052620.R03		
030920.01	051820.R06		
052620.R01	051920.R17		
052620.R02			
052020.R14			

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	0.2557g	05/27/20 02:05:11	457

Analysis Method -SOP.T.40.050, SOP.T.30.052
Analytical Batch -DA012694HEA | Reviewed On - 05/28/20 12:05:01
Instrument Used : DA-ICPMS-002
Batch Date : 05/27/20 11:17:54

Reagent	Dilution	Consums. ID
050520.09		181019-274
101519.12		SG298A

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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