



# Certificate of Analysis

Apr 13, 2020 | Manifest Wellness

794 Seneca Meadows Rd.  
Winter Springs, FL, 32708, US

Sample: DA00409006-001

Harvest/Lot ID: 300-001

Seed to Sale #N/A

Batch Date :N/A

Batch#: 300-001

Sample Size Received: 10 gram

Total Weight/Volume: 30 ml

Retail Product Size: 30 ml gram

Ordered : 04/06/20

sampled : 04/06/20

Completed: 04/13/20

Sampling Method: SOP Client Method

**PASSED**

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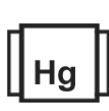
## PRODUCT IMAGE



## 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**

## CANNABINOID RESULTS



Total THC

**0.033%**

THC/Container :9.504 mg



Total CBD

**0.912%**

CBD/Container :262.732 mg



Total Cannabinoids

**1.069%**

Total Cannabinoids/Container  
:307.872 mg

	TOTAL CA	TOTAL CB	TOTAL TH	CBC	CBGA	CBG	THCV	DB-THC	CBDV	CBN	CBD	CBD	D9-THC	THCA
%	1.0690	0.9120	0.0330	0.0390	0.0140	0.0160	<0.010	ND	<0.010	ND	4.4500	0.5220	0.0330	<0.010
mg/g	10.6900	9.1199	0.3300	0.3900	0.1400	0.1600	<0.010	ND	<0.010	ND	4.4500	5.2200	0.3300	<0.010
LOD	0.0000	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0001	0.0001	0.0010
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%

	Filtration	
	<b>PASSED</b>	

Analyzed By	Weight	Extraction date	Extracted By
ss4	1g	04/09/20	965
Analyte	LOD	Batch Date	Result
Filtration and Foreign Material	0	04/09/20 09:41:25	ND
Analysis Method -SOP.T.40.013		Reviewed On - 04/09/20 13:08:18	
Analytical Batch -DA011555FIL			
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-28/T Stereo Microscope is used for inspection.

## Cannabinoid Profile Test

Analyzed by	Weight	Extraction date :	Extracted By :
450	3.0425g	04/09/20 09:04:38	965
Analysis Method -SOP.T.40.020, SOP.T.30.050		Reviewed On - 04/10/20 10:48:00	Batch Date : 04/09/20 08:27:57
Analytical Batch -DA011541POT		Instrument Used : DA-LC-003	
Reagent	Dilution	Consums. ID	
032320.30	40	180111	
040720.R18		914C4-914AK	
040720.R17		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 # ISO/IEC  
17025:2017 Accreditation  
PJLA-Testing 97164

  
Signature

04/13/20

Signed On



# Certificate of Analysis

**PASSED**

 794 Seneca Meadows Rd.  
 Winter Springs, FL, 32708, US  
**Telephone:** 407-810-0225  
**Email:** jeannine@manifest-wellness.com

**Sample :** DA00409006-001

**Harvest/LOT ID:** 300-001

**Batch# :** 300-001

**Sampled :** 04/06/20

**Ordered :** 04/06/20

**Sample Size Received :** 10 gram

**Total Weight/Volume :** 30 ml

**Completed :** 04/13/20 **Expires:** 04/13/21

**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	PIPERONYL BUTOXIDE	0.1	ppm	3	ND
ACEPHATE	0.01	ppm	3	ND	PRALLETHRIN	0.01	ppm	0.4	ND
ACEQUINOCYL	0.01	ppm	2	ND	PROPICONAZOLE	0.01	ppm	1	ND
ACETAMIPRID	0.01	ppm	3	ND	PROPOXUR	0.01	ppm	0.1	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	SPIROMESIFEN	0.01	ppm	3	ND
BOSCALID	0.01	PPM	3	ND	SPIROTETRAMAT	0.01	ppm	3	ND
CARBARYL	0.05	ppm	0.5	ND	SPIROXAMINE	0.01	ppm	0.1	ND
CARBOFURAN	0.01	ppm	0.1	ND	TEBUCONAZOLE	0.01	ppm	1	ND
CHLORANTRANILIPROLE	0.1	ppm	3	ND	THIACLOPRID	0.01	ppm	0.1	ND
CHLORMEQUAT CHLORIDE	0.05	ppm	3	ND	THIAMETHOXAM	0.05	ppm	1	ND
CHLORPYRIFOS	0.01	ppm	0.1	ND	TOTAL CONTAMINANT LOAD (PESTICIDES)	0	PPM	20	ND
CLOFENTEZINE	0.02	ppm	0.5	ND	TOTAL PERMETHRIN	0.01	ppm	1	ND
COUMAPHOS	0.01	ppm	0.1	ND	TOTAL SPINOSAD	0.01	ppm	3	ND
DAMINOZIDE	0.01	ppm	0.1	ND	TRIFLOXYSTROBIN	0.01	ppm	3	ND
DIAZANON	0.01	ppm	0.2	ND					
DICHLORVOS	0.01	ppm	0.1	ND					
CYPERMETHRIN	0.05	ppm	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					



## Pesticides

**PASSED**

<b>Analyzed by</b> 585	<b>Weight</b> 1.0265g	<b>Extraction date</b> 04/09/20 11:04:59	<b>Extracted By</b> 1082
<b>Analysis Method</b> - SOP.T.30.065, SOP.T.40.065, SOP.T.40.066, SOP.T.40.070, SOP.T.30.065, SOP.T.40.070 <b>Analytical Batch</b> - DA011516PES			
<b>Instrument Used</b> : DA-LCMS-001_DER (PES)		<b>Reviewed On</b> - 04/09/20 13:08:18	
<b>Running On</b> :		<b>Batch Date</b> : 04/08/20 10:55:46	
<b>Reagent</b>	<b>Dilution</b>	<b>Consums. ID</b>	
040720.R13		180111	
040720.R14		280678841	
023120.R17			
072919.R9			
020720.12			

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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**Jorge Segredo**  
 Lab Director

 State License # CMTL-0002  
 ISO Accreditation # ISO/IEC  
 17025:2017 Accreditation  
 PJLA-Testing 97164

  
 Signature

04/13/20

Signed On



# Certificate of Analysis

**PASSED**

 794 Seneca Meadows Rd.  
 Winter Springs, FL, 32708, US  
**Telephone:** 407-810-0225  
**Email:** jeannine@manifest-wellness.com

**Sample : DA00409006-001**
**Harvest/LOT ID: 300-001**
**Batch# : 300-001**
**Sampled : 04/06/20**
**Ordered : 04/06/20**
**Sample Size Received : 10 gram**
**Total Weight/Volume : 30 ml**
**Completed : 04/13/20 Expires: 04/13/21**
**Sample Method : SOP Client Method**

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	<b>Residual Solvents</b>	<b>PASSED</b>
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	<b>Residual Solvents</b>	<b>PASSED</b>
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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		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	Weight	Extraction date	Extracted By
850	0.0256g	04/11/20 09:04:04	1224
<b>Analysis Method -SOP.T.40.032</b> <b>Analytical Batch -DA011560SOL</b> <b>Instrument Used : DA-GCMS-003</b> <b>Running On :</b> <b>Batch Date : 04/09/20 11:21:38</b>			
<b>Reviewed On - 04/11/20 11:40:11</b>			

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.40.032 Residual Solvents Analysis via GC-MS).		





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**Telephone:** 407-810-0225  
**Email:** jeannine@manifest-wellness.com

**Sample : DA00409006-001**
**Harvest/LOT ID: 300-001**
**Batch# :** 300-001  
**Sampled :** 04/06/20  
**Ordered :** 04/06/20

**Sample Size Received :** 10 gram  
**Total Weight/Volume :** 30 ml  
**Completed :** 04/13/20 **Expires:** 04/13/21  
**Sample Method :** SOP Client Method

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	<b>Microbials</b>	<b>PASSED</b>
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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 -DA011543MIC Batch Date : 04/09/20**
**Instrument Used : PathogenDX PCR\_Array Scanner DA-111,PathogenDX PCR\_DA-010**
**Running On :**

Analyzed by	Weight	Extraction date	Extracted By
513	10865g	04/09/20	1082

Reagent	Reagent	Consums. ID	Consums. ID
012120.01	013120.361	918C4-918J	50AX26219
101619.04	020420.357	914C4-914AK	19323
122719.32	022120.223	929C6-929H	25219065
022120.69	022120.295	181019-274	190611634
013120.101	022120.196	SG298A	
022120.181		181207119C	

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.

	<b>Mycotoxins</b>	<b>PASSED</b>
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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
OCHRATOXIN A+	0.002	ppm	ND	0.02

**Analysis Method -SOP.T.30.065, SOP.T.40.065**
**Analytical Batch -DA011517 | Reviewed On - 04/13/20 11:01:40**
**Instrument Used : DA-LCMS-001\_DER (MYC)**
**Running On :**
**Batch Date : 04/08/20 10:57:04**

Analyzed by	Weight	Extraction date	Extracted By
585	1g	04/10/20 01:04:42	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 <20ug/Kg.

	<b>Heavy Metals</b>	<b>PASSED</b>
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Reagent	Reagent	Dilution
040720.R10	033020.R04	50
040620.R01	111319.02	
040620.R02		
033020.R06		
040620.R15		
033020.R05		

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	0.2657g	NA	NA

**Analysis Method -SOP.T.40.050, SOP.T.30.052**
**Analytical Batch -DA011556HEA | Reviewed On - 04/10/20 08:42:52**
**Instrument Used : DA-ICPMS-002**
**Running On :**
**Batch Date : 04/09/20 09:53:23**

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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**Jorge Segredo**  
 Lab Director

 State License # CMTL-0002  
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 PJLA-Testing 97164

  
 Signature

04/13/20

Signed On