



Certificate of Analysis

Apr 30, 2020 | Manifest Wellness

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

Sample: DA00428008-001

Harvest/Lot ID: 1200-001

Seed to Sale #N/A

Batch Date :N/A

Batch#: 1200-001

Sample Size Received: 10 gram

Total Weight/Volume: 30 ml

Retail Product Size: 30 ml gram

Ordered : 04/21/20

sampled : 04/21/20

Completed: 04/30/20

Sampling Method: SOP Client Method

PASSED

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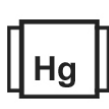
PRODUCT IMAGE



SAFETY RESULTS



Pesticides
PASSED



Heavy Metals
PASSED



Microbials
PASSED



Mycotoxins
PASSED



Residuals
Solvents
NOT TESTED



Filtration
PASSED



Water Activity
PASSED



Moisture
PASSED



Terpenes
NOT TESTED

CANNABINOID RESULTS



Total THC
0.128%

THC/Container :37.050 mg



Total CBD
3.389%

CBD/Container :976.206 mg



Total Cannabinoids
3.939%

Total Cannabinoids/Container
:1134.432 mg

	TOTAL CA	TOTAL CB	TOTAL TH	CBC	CBGA	CBG	THCV	DB-THC	CBDV	CBN	CBDA	CBD	DB-THC	THCA
%	3.9390	3.3890	0.1280	0.1460	0.0420	0.0650	<0.010	ND	0.0140	ND	1.2390	2.3030	0.1190	0.0110
mg/g	39.3900	33.8900	1.2800	1.4600	0.4200	0.6500	<0.010	ND	0.1400	ND	12.3900	23.0300	1.1900	0.1100
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
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%

Cannabinoid Profile Test

Analyzed by	Weight	Extraction date :	Extracted By :
456	3.0701g	04/28/20 09:04:06	965
Analysis Method -SOP.T.40.020, SOP.T.30.050		Reviewed On - 04/29/20 14:50:59	Batch Date : 04/28/20 08:47:39
Analytical Batch -DA011998POT	Instrument Used : DA-LC-003		

Reagent	Dilution	Consums. ID
032320.25	400	180111
042420.R18		914C6-914AK
042420.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).

Filtration PASSED

Analyzed By	Weight	Extraction date	Extracted By
584	1g	04/28/20	584
Analyte		LOD	Result
Filtration and Foreign Material		0	ND
Analysis Method -SOP.T.40.013		Batch Date : 04/28/20 09:53:53	
Analytical Batch -DA012007FIL		Reviewed On - 04/28/20 09:55:25	
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.

Water Activity PASSED

Analyte	Analyzed by	Weight	Ext. date	LOD	A.L	Result
Water Activity	584	1g	04/28/20	0.1 aw	0.85aw	0.341aw
Analysis Method -Water Activity			Batch Date : 04/28/20 08:51:52			
SOP.T.40.010			Reviewed On - 04/28/20 09:32:36			
Analytical Batch -DA012000WAT						
Instrument Used : DA-028 Rotronic Hygropalm						

Moisture PASSED

Analyte	Analyzed by	Weight	Ext. date	LOD	A.L	Result
MOISTURE CONTENT	584	0.673g	04/28/20	1%	1.190%	
Analysis Method -Moisture			Batch Date : 04/28/20 08:51:46			
Analysis SOP.T.40.011			Reviewed On - 04/28/20 09:37:13			
Analytical Batch -DA011999MOI						
Instrument Used : DA-046 Moisture Analyzer						

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Jorge Segredo
Lab Director

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


Signature

04/30/20

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 : DA00428008-001
Harvest/LOT ID: 1200-001
Batch# : 1200-001
Sampled : 04/21/20
Ordered : 04/21/20
Sample Size Received : 10 gram
Total Weight/Volume : 30 ml
Completed : 04/30/20 Expires: 04/30/21
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
CHLORANTRILIPROLE	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

Analyzed by 585	Weight 1.0974g	Extraction date 04/28/20 11:04:04	Extracted By 1082
Analysis Method - SOP.T.30.065, SOP.T.40.065, SOP.T.40.066, SOP.T.40.070, SOP.T.30.065, SOP.T.40.070			
Analytical Batch - DA011987PES		Reviewed On - 04/28/20 09:55:25	
Instrument Used : DA-LCMS-001_DER (PES)			
Running On :		Batch Date : 04/27/20 15:01:54	
Reagent	Dilution	Consums. ID	
041420.06	10	180111	
042720.014		280678841	
042720.015			
042720.025			
111819.03			
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

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 Signature

04/30/20

Signed On



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PASSED

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Winter Springs, FL, 32708, US
Telephone: 407-810-0225
Email: jeannine@manifest-wellness.com

Sample : DA00428008-001

Harvest/LOT ID: 1200-001

Batch# : 1200-001

Sampled : 04/21/20

Ordered : 04/21/20

Sample Size Received : 10 gram

Total Weight/Volume : 30 ml

Completed : 04/30/20 **Expires:** 04/30/21

Sample Method : SOP Client Method

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	Microbials	PASSED
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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 -DA012001MIC Batch Date : 04/28/20

Instrument Used : PathogenDX PCR_Array Scanner DA-111,PathogenDX PCR_DA-171

Running On :

Analyzed by	Weight	Extraction date	Extracted By
513	1.0317g	04/28/20	1082

Reagent	Reagent	Consums. ID	Consums. ID
082019.32	013120.375	181019-274	50AX26219
101619.04	121719.93	SG298A	19323
022120.56	022120.228	181207119C	23819111
022120.26	022120.292	918C4-918J	190611634
022120.184	032720.21	914C4-914AK	
022120.41	022120.203	929C6-929H	

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.

	Mycotoxins	PASSED
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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 -DA011988 | Reviewed On - 04/30/20 10:50:28

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

Running On :

Batch Date : 04/27/20 15:42:47

Analyzed by	Weight	Extraction date	Extracted By
585	1g	04/28/20 01:04:26	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.

	Heavy Metals	PASSED
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Reagent	Reagent	Dilution	Consums. ID
042220.R01	042020.R28	100	106557-04-091619
042720.R22	041320.R01		
030920.01	042720.R36		
042720.R02			
042720.R03			
041320.R03			

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	<0.100	3

Analyzed by	Weight	Extraction date	Extracted By
53	0.2628g	NA	NA

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

Analytical Batch -DA011997HEA | Reviewed On - 04/29/20 09:46:19

Instrument Used : DA-LCMS-001

Running On :

Batch Date : 04/28/20 08:23:54

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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