



Certificate of Analysis

COMPLIANCE FOR RETAIL

Sample: DA30524010-001
 Harvest/Lot ID: lot 001-BS PhaseX
 Batch#: lot 001-BS PhaseX
 Seed to Sale# .
 Sample Size Received: 15 gram
 Total Amount: 15 gram
 Retail Product Size: 1 gram
 Ordered: 05/24/23
 Sampled: 05/24/23
 Completed: 05/27/23
 Sampling Method: SOP.T.20.010.FL

PASSED

May 27, 2023 | Happy Farmer LLC

634 Frosty Morn Drive
 Clarksville, TN, 37040, US

Pages 1 of 5

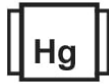
PRODUCT IMAGE



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



Total THC
0.108%
 Total THC/Container : 1.08 mg



Total CBD
98.725%
 Total CBD/Container : 987.25 mg



Total Cannabinoids
99.402%
 Total Cannabinoids/Container : 994.02 mg

	D9-THC	THCA	CBD	CBDA	D8-THC	CBG	CBGA	CBN	THCV	CBDV	CBC
%	0.108	ND	98.725	ND	ND	ND	ND	ND	ND	0.569	ND
mg/g	1.08	ND	987.25	ND	ND	ND	ND	ND	ND	5.69	ND
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:
 1665, 585, 1440

Weight:
 0.1047g

Extraction date:
 05/25/23 10:11:14

Extracted by:
 3335,1665

Analysis Method : SOP.T.40.031, SOP.T.30.031
 Analytical Batch : DA060617POT
 Instrument Used : DA-LC-003
 Analyzed Date : 05/25/23 10:21:04

Reviewed On : 05/26/23 14:27:53
 Batch Date : 05/25/23 09:09:59

Dilution : 400
 Reagent : 052323.R06; 070621.18; 052323.R03
 Consumables : 280670723; CE0123; 61633-125C6-125E; R1KB14270
 Pipette : DA-079; DA-108; DA-078

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

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Jorge Segredo
 Lab Director

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



Signature
 05/27/23



Certificate of Analysis

PASSED

Happy Farmer LLC

634 Frosty Morn Drive
Clarksville, TN, 37040, US
Telephone: 9394173329

Email: dan@happyfarmerteam.com

Sample : DA30524010-001
Harvest/Lot ID: lot 001-B5 PhaseX

Batch# : lot 001-B5 PhaseX
Sampled : 05/24/23
Ordered : 05/24/23

Sample Size Received : 15 gram
Total Amount : 15 gram
Completed : 05/27/23 Expires: 05/27/24
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
TOTAL CONTAMINANT LOAD (PESTICIDES)	0.01	ppm	5	PASS	ND	OXAMYL	0.01	ppm	0.5	PASS	ND
TOTAL DIMETHOMORPH	0.01	ppm	0.2	PASS	ND	PACLOBUTRAZOL	0.01	ppm	0.1	PASS	ND
TOTAL PERMETHRIN	0.01	ppm	0.1	PASS	ND	PHOSMET	0.01	ppm	0.1	PASS	ND
TOTAL PYRETHRINS	0.01	ppm	0.5	PASS	ND	PIPERONYL BUTOXIDE	0.01	ppm	3	PASS	ND
TOTAL SPINETORAM	0.01	ppm	0.2	PASS	ND	PRALLETHRIN	0.01	ppm	0.1	PASS	ND
TOTAL SPINOSAD	0.01	ppm	0.1	PASS	ND	PROPICONAZOLE	0.01	ppm	0.1	PASS	ND
ABAMECTIN B1A	0.01	ppm	0.1	PASS	ND	PROPOXUR	0.01	ppm	0.1	PASS	ND
ACEPHATE	0.01	ppm	0.1	PASS	ND	PYRIDABEN	0.01	ppm	0.2	PASS	ND
ACEQUINOCLYL	0.01	ppm	0.1	PASS	ND	SPIROMESIFEN	0.01	ppm	0.1	PASS	ND
ACETAMIPRID	0.01	ppm	0.1	PASS	ND	SPIROTETRAMAT	0.01	ppm	0.1	PASS	ND
ALDICARB	0.01	ppm	0.1	PASS	ND	SPIROXAMINE	0.01	ppm	0.1	PASS	ND
AZOXYSTROBIN	0.01	ppm	0.1	PASS	ND	TEBUCONAZOLE	0.01	ppm	0.1	PASS	ND
BIFENAZATE	0.01	ppm	0.1	PASS	ND	THIACLOPRID	0.01	ppm	0.1	PASS	ND
BIFENTHRIN	0.01	ppm	0.1	PASS	ND	THIAMETHOXAM	0.01	ppm	0.5	PASS	ND
BOSCALID	0.01	ppm	0.1	PASS	ND	TRIFLOXYSTROBIN	0.01	ppm	0.1	PASS	ND
CARBARYL	0.01	ppm	0.5	PASS	ND	PENTACHLORONITROBENZENE (PCNB) *	0.01	PPM	0.15	PASS	ND
CARBOFURAN	0.01	ppm	0.1	PASS	ND	PARATHION-METHYL *	0.01	PPM	0.1	PASS	ND
CHLORANTRANILIPROLE	0.01	ppm	1	PASS	ND	CAPTAN *	0.07	PPM	0.7	PASS	ND
CHLORMEQUAT CHLORIDE	0.01	ppm	1	PASS	ND	CHLORDANE *	0.01	PPM	0.1	PASS	ND
CHLORPYRIFOS	0.01	ppm	0.1	PASS	ND	CHLORFENAPYR *	0.01	PPM	0.1	PASS	ND
CLOFENTEZINE	0.01	ppm	0.2	PASS	ND	CYFLUTHRIN *	0.05	PPM	0.5	PASS	ND
COUMAPHOS	0.01	ppm	0.1	PASS	ND	CYPERMETHRIN *	0.05	PPM	0.5	PASS	ND
DAMINOZIDE	0.01	ppm	0.1	PASS	ND						
DIAZINON	0.01	ppm	0.1	PASS	ND	Analyzed by:	Weight:	Extraction date:	Extracted by:		
DICHLORVOS	0.01	ppm	0.1	PASS	ND	3379, 585, 1440	0.261g	05/25/23 15:14:56	450,585		
DIMETHOATE	0.01	ppm	0.1	PASS	ND	Analysis Method : 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	Analytical Batch : DA060634PES					
ETOFENPROX	0.01	ppm	0.1	PASS	ND	Instrument Used : DA-LCMS-003 (PES)					
ETOXAZOLE	0.01	ppm	0.1	PASS	ND	Analyzed Date : N/A					
FENHEXAMID	0.01	ppm	0.1	PASS	ND	Dilution : 250					
FENOXYCARB	0.01	ppm	0.1	PASS	ND	Reagent : 051923.R02; 052423.R32; 052423.R03; 052423.R31; 042623.R45; 052423.R01; 040521.11					
FENPYROXIMATE	0.01	ppm	0.1	PASS	ND	Consumables : 6697075-02					
FIPRONIL	0.01	ppm	0.1	PASS	ND	Pipette : DA-093; DA-094; DA-219					
FLONICAMID	0.01	ppm	0.1	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	0.1	PASS	ND	Analyzed by:	Weight:	Extraction date:	Extracted by:		
HEXYTHIAZOX	0.01	ppm	0.1	PASS	ND	450, 585, 1440	0.261g	05/25/23 15:14:56	450,585		
IMAZALIL	0.01	ppm	0.1	PASS	ND	Analysis Method : SOP.T.30.151.FL (Gainesville), SOP.T.30.151A.FL (Davie), SOP.T.40.151.FL					
IMIDACLOPRID	0.01	ppm	0.4	PASS	ND	Analytical Batch : DA060636VOL					
KRESOXIM-METHYL	0.01	ppm	0.1	PASS	ND	Instrument Used : DA-GCMS-001					
MALATHION	0.01	ppm	0.2	PASS	ND	Analyzed Date : 05/25/23 15:35:56					
METALAXYL	0.01	ppm	0.1	PASS	ND	Dilution : 250					
METHIOCARB	0.01	ppm	0.1	PASS	ND	Reagent : 052423.R03; 040521.11; 051823.R43; 051823.R44					
METHOMYL	0.01	ppm	0.1	PASS	ND	Consumables : 6697075-02; 14725401					
MEVINPHOS	0.01	ppm	0.1	PASS	ND	Pipette : DA-080; DA-146; DA-218					
MYCLOBUTANIL	0.01	ppm	0.1	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	0.25	PASS	ND						

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Jorge Segredo
Lab Director

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



Signature
05/27/23



Certificate of Analysis

PASSED

Happy Farmer LLC

 634 Frosty Morn Drive
 Clarksville, TN, 37040, US
 Telephone: 9394173329
 Email: dan@happyfarmerteam.com

 Sample : DA30524010-001
 Harvest/Lot ID: lot 001-B5 PhaseX

 Batch# : lot 001-B5 PhaseX Sample Size Received : 15 gram
 Sampled : 05/24/23 Total Amount : 15 gram
 Ordered : 05/24/23 Completed : 05/27/23 Expires: 05/27/24
 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	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, 585, 1440	Weight: 0.0244g	Extraction date: 05/26/23 11:23:46	Extracted by: 850
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Analysis Method : SOP.T.40.041.FL Analytical Batch : DA060647SOL Instrument Used : DA-GCMS-003 Analysis Date : 05/26/23 11:51:31	Reviewed On : 05/26/23 14:22:43 Batch Date : 05/25/23 14:29:59
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 Dilution : 1
 Reagent : 030420.09
 Consumables : R2017.167; G201.167
 Pipette : DA-309 25 uL Syringe 35028

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





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Sample : DA30524010-001
Harvest/Lot ID: lot 001-B5 PhaseX

Batch# : lot 001-B5 PhaseX Sample Size Received : 15 gram
Sampled : 05/24/23 Total Amount : 15 gram
Ordered : 05/24/23 Completed : 05/27/23 Expires: 05/27/24
Sample Method : SOP Client Method

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

Analyzed by: 3336, 3390, 585, 1440 Weight: 1.0637g Extraction date: 05/25/23 10:53:42 Extracted by: 3336

Analysis Method : SOP.T.40.056C, SOP.T.40.058.FL, SOP.T.40.209.FL Analytical Batch : DA060624MIC Reviewed On : 05/26/23 19:51:37 Batch Date : 05/25/23 09:18:25

Instrument Used : PathogenDx Scanner DA-111, fisherbrand Isotemp Heat Block DA-020, fisherbrand Isotemp Heat Block DA-049, Fisher Scientific Isotemp Heat Block DA-021, APPLIED BIOSYSTEMS THERMOCYCLER DA-254 Analyzed Date : 05/25/23 10:57:01

Dilution : N/A Reagent : 031523.07; 092122.03; 092122.09; 052323.R22 Consumables : 7562002089 Pipette : N/A

Analyzed by: 3336, 3390, 585, 1440 Weight: 1.0637g Extraction date: 05/25/23 10:53:42 Extracted by: 3336

Analysis Method : SOP.T.40.208 (Gainesville), SOP.T.40.209.FL Analytical Batch : DA060640TYM Reviewed On : 05/27/23 13:20:27 Instrument Used : Incubator (25-27C) DA-096 Batch Date : 05/25/23 10:55:19 Analyzed Date : 05/25/23 10:56:22

Dilution : 10 Reagent : 031523.07; 050923.R23 Consumables : 009110 Pipette : N/A

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
AFLATOXIN B2	0.002	ppm	ND	PASS	0.02
AFLATOXIN B1	0.002	ppm	ND	PASS	0.02
OCHRATOXIN A	0.002	ppm	ND	PASS	0.02
AFLATOXIN G1	0.002	ppm	ND	PASS	0.02
AFLATOXIN G2	0.002	ppm	ND	PASS	0.02

Analyzed by: 3379, 585, 1440 Weight: 0.261g Extraction date: 05/25/23 15:14:56 Extracted by: 450,585

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 : DA060635MYC Reviewed On : 05/26/23 14:12:46 Instrument Used : N/A Batch Date : 05/25/23 10:31:53 Analyzed Date : N/A

Dilution : 250 Reagent : 051923.R02; 052423.R32; 052423.R03; 052423.R31; 042623.R45; 052423.R01; 040521.11 Consumables : 6697075-02 Pipette : DA-093; DA-094; DA-219

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

	Heavy Metals	PASSED
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Metal	LOD	Units	Result	Pass / Fail	Action Level
TOTAL CONTAMINANT LOAD METALS	0.08	ppm	ND	PASS	1.1
ARSENIC	0.02	ppm	ND	PASS	0.2
CADMIUM	0.02	ppm	ND	PASS	0.2
MERCURY	0.02	ppm	ND	PASS	0.2
LEAD	0.02	ppm	ND	PASS	0.5

Analyzed by: 1022, 585, 1440 Weight: 0.2281g Extraction date: 05/25/23 09:49:10 Extracted by: 3619,3807,1022

Analysis Method : SOP.T.30.082.FL, SOP.T.40.082.FL Analytical Batch : DA060614HEA Reviewed On : 05/26/23 14:11:06 Instrument Used : DA-ICPMS-003 Batch Date : 05/25/23 08:49:50 Analyzed Date : 05/25/23 16:28:08

Dilution : 50 Reagent : 050923.R24; 042623.R82; 051923.R19; 051923.R16; 051923.R17; 051923.R18; 050423.R32; 050923.01; 051823.R28 Consumables : 179436; 15021042; 210508058 Pipette : DA-061; DA-191; DA-216

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





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Batch# : lot 001-B5 PhaseX

Sampled : 05/24/23

Ordered : 05/24/23

Sample Size Received : 15 gram

Total Amount : 15 gram

Completed : 05/27/23 Expires: 05/27/24

Sample Method : SOP Client Method

Page 5 of 5



**Filth/Foreign
Material**

PASSED

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

Analyzed by:	Weight:	Extraction date:	Extracted by:
1879, 585, 1440	NA	N/A	N/A

Analysis Method : SOP.T.40.090

Analytical Batch : DA060633FIL

Instrument Used : Filth/Foreign Material Microscope

Analyzed Date : 05/25/23 12:56:37

Reviewed On : 05/26/23 14:28:43

Batch Date : 05/25/23 10:12:27

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.

