



Certificate of Analysis

COMPLIANCE FOR RETAIL

Sample: DA30119005-001
Harvest/Lot ID: HYB-HK-011623-C0074
Batch#: 0326 3785 8082 2881
Cultivation Facility: Zolfo Springs Cultivation
Processing Facility: Zolfo Springs Processing
Distributor Facility:
Source Facility: Zolfo Springs Cultivation
Seed to Sale# 6733 7349 6290 7246
Batch Date: 12/09/22
Sample Size Received: 49 gram
Total Amount: 3656 units
Retail Product Size: 3.5 gram
Ordered : 01/18/23
Sampled : 01/18/23
Completed: 01/23/23
Sampling Method: SOP.T.20.010

Jan 23, 2023 | FLUENT

82 NE 26th street
Miami, FL, 33137, US

PASSED

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PRODUCT IMAGE

SAFETY RESULTS

Pesticides
PASSED

Heavy Metals
PASSED

Microbials
PASSED

Mycotoxins
PASSED

Residuals Solvents
NOT TESTED

Filth
PASSED

Water Activity
PASSED

Moisture
PASSED

Terpenes
TESTED

MISC.

Cannabinoid
PASSED

Total THC
16.587%
Total THC/Container : 580.545 mg

Total CBD
0.047%
Total CBD/Container : 1.645 mg

Total Cannabinoids
19.584%
Total Cannabinoids/Container : 685.44 mg

	D9-THC	THCA	CBD	CBDA	D8-THC	CBG	CBGA	CBN	THCV	CBDV	CBC
%	0.251	18.628	ND	0.054	0.033	0.136	0.42	0.013	ND	ND	0.049
mg/unit	8.785	651.98	ND	1.89	1.155	4.76	14.7	0.455	ND	ND	1.715
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, 53, 1440

Weight:
0.2041g

Extraction date:
01/19/23 11:56:53

Extracted by:
1665

Analysis Method : SOP.T.40.031, SOP.T.30.031
Analytical Batch : DA054906POT
Instrument Used : DA-LC-002
Running on : 01/19/23 11:59:40

Reviewed On : 01/20/23 14:21:53
Batch Date : 01/19/23 09:59:42

Dilution : 400
Reagent : 011123.R36; 071222.01; 011223.R09
Consumables : 239146; CE0123; 210803-059; 61633-125C6-125E; R1KB14270
Pipette : N/A

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





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Terpenes

TESTED

Terpenes	LOD (%)	mg/unit	%	Result (%)	Terpenes	LOD (%)	mg/unit	%	Result (%)
TOTAL TERPENES	0.007	81.06	2.316		ALPHA-HUMULENE	0.007	4.76	0.136	
TOTAL TERPINEOL	0.007	1.19	0.034		VALENCENE	0.007	ND	ND	
ALPHA-PINENE	0.007	5.04	0.144		CIS-NEROLIDOL	0.007	ND	ND	
CAMPENE	0.007	<0.7	<0.02		TRANS-NEROLIDOL	0.007	1.295	0.037	
SABINENE	0.007	ND	ND		CARYOPHYLLENE OXIDE	0.007	<0.7	<0.02	
BETA-PINENE	0.007	3.815	0.109		GUAIOL	0.007	2.38	0.068	
BETA-MYRCENE	0.007	19.81	0.566		CEDROL	0.007	ND	ND	
ALPHA-PHELLANDRENE	0.007	ND	ND		ALPHA-BISABOLOL	0.007	2.205	0.063	
3-CARENE	0.007	ND	ND		Analyzed by: 2076, 53, 1440 Weight: 1.1444g Extraction date: 01/19/23 15:25:26 Extracted by: 2076 Analysis Method: SOP.T.30.061A.FL, SOP.T.40.061A.FL Analytical Batch: DA054907TER Instrument Used: DA-GCMS-004 Running on: 01/19/23 16:25:58 Dilution: 10 Reagent: 120722.08 Consumables: 210414634; MKCN9995; CE0123; R1KB14270 Pipette: N/A Terpenoid testing is performed utilizing Gas Chromatography Mass Spectrometry.				
ALPHA-TERPINENE	0.007	ND	ND						
LIMONENE	0.007	15.96	0.456						
EUCALYPTOL	0.007	ND	ND						
OCIMENE	0.007	1.715	0.049						
GAMMA-TERPINENE	0.007	ND	ND		Reviewed On: 01/21/23 21:04:10 Batch Date: 01/19/23 10:17:58				
SABINENE HYDRATE	0.007	ND	ND						
TERPINOLENE	0.007	ND	ND						
FENCHONE	0.007	ND	ND						
LINALOOL	0.007	3.5	0.1						
FENCHYL ALCOHOL	0.007	1.715	0.049						
ISOPULEGOL	0.007	ND	ND						
CAMPOR	0.013	ND	ND						
ISOBORNEOL	0.007	ND	ND						
BORNEOL	0.013	ND	ND						
HEXAHYDROTHYMOL	0.007	ND	ND						
NEROL	0.007	ND	ND						
PULEGONE	0.007	ND	ND						
GERANIOL	0.007	ND	ND						
GERANYL ACETATE	0.007	ND	ND						
ALPHA-CEDRENE	0.007	ND	ND						
BETA-CARYOPHYLLENE	0.007	16.205	0.463						
FARNESENE	0	1.47	0.042						
Total (%)			2.316						



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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
ACEQUINOCYL	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: 585, 3379, 53, 1440	Weight: 0.9057g	Extraction date: 01/19/23 14:50:43	Extracted by: 585,3379		
DICHLORVOS	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)					
DIMETHOATE	0.01	ppm	0.1	PASS	ND	Analytical Batch :DA054902PES				Reviewed On :01/20/23 13:58:56	
ETHOPROPHOS	0.01	ppm	0.1	PASS	ND	Instrument Used :DA-LCMS-003 (PES)				Batch Date :01/19/23 09:47:40	
ETOFENPROX	0.01	ppm	0.1	PASS	ND	Running on :01/19/23 15:57:16					
ETOXAZOLE	0.01	ppm	0.1	PASS	ND	Dilution : 250					
FENHEXAMID	0.01	ppm	0.1	PASS	ND	Reagent : 011723.R01; 011723.R03; 122722.R21; 011123.R02; 040521.11					
FENOXYCARB	0.01	ppm	0.1	PASS	ND	Consumables : 6676024-02					
FENPYROXIMATE	0.01	ppm	0.1	PASS	ND	Pipette : DA-093; DA-094; DA-219					
FIPRONIL	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.					
FLONICAMID	0.01	ppm	0.1	PASS	ND	Analyzed by: 3379, 585, 1440, 53	Weight: 0.9057g	Extraction date: 01/19/23 14:50:43	Extracted by: 585,3379		
FLUDIOXONIL	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					
HEXYTHIAZOX	0.01	ppm	0.1	PASS	ND	Analytical Batch :DA054905VOL				Reviewed On :01/20/23 14:07:35	
IMAZALIL	0.01	ppm	0.1	PASS	ND	Instrument Used :DA-GCMS-001				Batch Date :01/19/23 09:55:30	
IMIDACLOPRID	0.01	ppm	0.4	PASS	ND	Running on :01/19/23 14:45:47					
KRESOXIM-METHYL	0.01	ppm	0.1	PASS	ND	Dilution : 250					
MALATHION	0.01	ppm	0.2	PASS	ND	Reagent : 011723.R03; 040521.11					
METALAXYL	0.01	ppm	0.1	PASS	ND	Consumables : 6676024-02					
METHIOCARB	0.01	ppm	0.1	PASS	ND	Pipette : DA-093; DA-094; DA-219					
METHOMYL	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.					
MEVINPHOS	0.01	ppm	0.1	PASS	ND						
MYCLOBUTANIL	0.01	ppm	0.1	PASS	ND						
NALED	0.01	ppm	0.25	PASS	ND						



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	Microbial	PASSED		Mycotoxins	PASSED
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Analyte	LOD	Units	Result	Pass / Fail	Action Level	Analyte	LOD	Units	Result	Pass / Fail	Action Level
ESCHERICHIA COLI SHIGELLA SPP			Not Present	PASS		AFLATOXIN B2	0.002	ppm	ND	PASS	0.02
SALMONELLA SPECIFIC GENE			Not Present	PASS		AFLATOXIN B1	0.002	ppm	ND	PASS	0.02
ASPERGILLUS FLAVUS			Not Present	PASS		OCHRATOXIN A	0.002	ppm	ND	PASS	0.02
ASPERGILLUS FUMIGATUS			Not Present	PASS		AFLATOXIN G1	0.002	ppm	ND	PASS	0.02
ASPERGILLUS TERREUS			Not Present	PASS		AFLATOXIN G2	0.002	ppm	ND	PASS	0.02
ASPERGILLUS NIGER			Not Present	PASS							
TOTAL YEAST AND MOLD	10	CFU/g	1250	PASS	100000	Analyzed by:		Weight:		Extraction date:	
						585, 3379, 53, 1440		0.9057g		01/19/23 14:50:43	
										Extracted by:	
										585,3379	
Analyzed by:		Weight:	Extraction date:	Extracted by:		Analysis Method : SOP.T.30.101.FL (Gainesville), SOP.T.40.101.FL (Gainesville),					
3390, 3336, 3621, 53, 1440		1.0836g	01/19/23 11:44:41	3390,3621		SOP.T.30.102.FL (Davie), SOP.T.40.102.FL (Davie)					
Analysis Method : SOP.T.40.056C, SOP.T.40.058.FL, SOP.T.40.209.FL						Analytical Batch : DA054904MYC					
Analytical Batch : DA054897MIC						Instrument Used : DA-LCMS-003 (MYC)					
Instrument Used : DA-265 Gene-UP RTPCR						Running on : N/A					
Running on : 01/19/23 12:02:17						Dilution : 250					
Dilution : N/A						Reagent : 011723.R01; 011723.R03; 122722.R21; 011123.R02; 040521.11					
Reagent : 091422.02; 100722.13; 122122.R81						Consumables : 6676024-02					
Consumables : 500124						Pipette : DA-093; DA-094; DA-219					
Pipette : N/A						Mycotoxins testing utilizing Liquid Chromatography with Triple-Quadrupole Mass Spectrometry in accordance with F.S. Rule 64ER20-39.					

Analyzed by:	Weight:	Extraction date:	Extracted by:
3336, 3621, 53, 1440	1.0386g	01/19/23 11:48:10	3390,3336
Analysis Method : SOP.T.40.208 (Gainesville), SOP.T.40.209.FL			
Analytical Batch : DA054921TYM			
Instrument Used : Incubator (25-27C) DA-097			
Running on : 01/19/23 15:22:34			
Dilution : 10			
Reagent : 011323.26			
Consumables : 004103			
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.			

	Heavy Metals	PASSED
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Metal	LOD	Units	Result	Pass / Fail	Action Level
TOTAL CONTAMINANT LOAD METALS	0.11	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	0.05	ppm	ND	PASS	0.5
Analyzed by: 1022, 53, 1440	Weight: 0.4421g	Extraction date: 01/19/23 13:18:59	Extracted by: 1022		
Analysis Method : SOP.T.30.082.FL, SOP.T.40.082.FL					
Analytical Batch : DA054911HEA		Reviewed On : 01/20/23 14:30:02			
Instrument Used : DA-ICPMS-003		Batch Date : 01/19/23 10:37:16			
Running on : 01/19/23 17:32:53					
Dilution : 50					
Reagent : 122822.R42; 121922.R11; 011323.R03; 011123.R31; 011323.R01; 011323.R02; 122322.R25; 123022.R15					
Consumables : 179436; 210508058; 210803-059					
Pipette : DA-061; 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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Filth/Foreign Material

PASSED


Moisture

PASSED

Analyte	LOD	Units	Result	P/F	Action Level
Filth and Foreign Material	0.5	%	ND	PASS	1

Analyzed by: 1879, 1440	Weight: NA	Extraction date: N/A	Extracted by: N/A
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Analysis Method : SOP.T.40.090 Analytical Batch : DA054991FIL Instrument Used : Filth/Foreign Material Microscope Running on : 01/20/23 19:54:27	Reviewed On : 01/21/23 13:53:46 Batch Date : 01/20/23 19:44:55
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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.


Water Activity

PASSED

Analyte	LOD	Units	Result	P/F	Action Level
Water Activity	0.1	aw	0.515	PASS	0.65

Analyzed by: 2926, 585, 1440	Weight: 0.692g	Extraction date: 01/19/23 13:58:10	Extracted by: 2926
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Analysis Method : SOP.T.40.019 Analytical Batch : DA054873WAT Instrument Used : DA-028 Rotronic HygroPalm Running on : 01/18/23 15:09:36	Reviewed On : 01/19/23 16:46:54 Batch Date : 01/18/23 11:56:37
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Dilution : N/A
Reagent : 100522.08
Consumables : PS-14
Pipette : N/A

Water Activity is performed using a Rotronic HygroPalm HP 23-AW in accordance with F.S. Rule 64ER20-39.

Analyte	LOD	Units	Result	P/F	Action Level
Moisture Content	1	%	10.59	PASS	15

Analyzed by: 2926, 585, 1440	Weight: 0.492g	Extraction date: 01/19/23 14:55:45	Extracted by: 2926
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Analysis Method : SOP.T.40.021 Analytical Batch : DA054862MOI Instrument Used : DA-003 Moisture Analyzer Running on : 01/18/23 16:39:34	Reviewed On : 01/19/23 16:46:55 Batch Date : 01/18/23 11:03:04
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Dilution : N/A
Reagent : 101920.06; 100622.35
Consumables : N/A
Pipette : DA-066

Moisture Content analysis utilizing loss-on-drying technology in accordance with F.S. Rule 64ER20-39.