



# Certificate of Analysis

## COMPLIANCE FOR RETAIL

Sample: DA40222004-002  
Harvest/Lot ID: HYB-OTG-022024-CO133  
Batch#: 1685 9970 1180 1117  
Cultivation Facility: Zolfo Springs Cultivation  
Processing Facility: Zolfo Springs Processing  
Source Facility: Zolfo Springs Cultivation  
Seed to Sale# 0547 7050 2196 6494  
Batch Date: 01/19/24  
Sample Size Received: 31.5 gram  
Total Amount: 767 units  
Retail Product Size: 3.5 gram  
Ordered: 02/21/24  
Sampled: 02/22/24  
Completed: 02/24/24  
Sampling Method: SOP.T.20.010

Feb 24, 2024 | FLUENT  
5540 W. Executive Drive  
Tampa, FL, 33609, US



**PASSED**

Pages 1 of 5

### 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**  
**26.148%**  
Dry Weight



**Total CBD**  
**0.057%**  
Dry Weight



**Total Cannabinoids**  
**31.046%**  
Dry Weight

											Total THC 22.77% 796.95 mg /Container
											Total CBD 0.05% 1.75 mg /Container
											Total Cannabinoids 27.035% 946.225 mg /Container
											As Received
%	0.289	25.635	ND	0.058	0.037	0.084	0.876	ND	ND	0.056	
mg/unit	10.115	897.225	ND	2.03	1.295	2.94	30.66	ND	ND	1.96	
LOD	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	
%											

Analyzed by:  
3335, 1665, 53, 1440

Weight:  
0.2121g

Extraction date:  
02/22/24 13:56:43

Extracted by:  
3335

Analysis Method : SOP.T.40.031, SOP.T.30.031  
Analytical Batch : DA069675POT  
Instrument Used : DA-LC-002  
Analyzed Date : 02/22/24 14:19:01

Reviewed On : 02/23/24 10:01:49  
Batch Date : 02/22/24 10:45:23

Dilution : 400  
Reagent : 021424.R06; 060723.24; 021424.R01  
Consumables : 947.109; 34623011; CE0123; 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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**Vivian Celestino**  
Lab Director

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

Signature  
02/24/24



4131 SW 47th AVENUE SUITE 1408  
DAVIE, FL, 33314, US  
(954) 368-7664

Kaycha Labs

.....  
FTH- Origins Top Gear  
FTH- Origins Top Gear  
Matrix : Flower  
Type: Flower-Cured



# Certificate of Analysis

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FLUENT

5540 W. Executive Drive  
Tampa, FL, 33609, US  
Telephone: (305) 900-6266  
Email: Taylor.Jones@getfluent.com

Sample : DA40222004-002  
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Batch# : 1685 9970 1180  
Sample Size Received : 31.5 gram  
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Sampled : 02/22/24  
Completed : 02/24/24 Expires: 02/24/25  
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Sample Method : SOP.T.20.010

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## Terpenes

TESTED

Terpenes	LOD (%)	mg/unit	%	Result (%)	Terpenes	LOD (%)	mg/unit	%	Result (%)
TOTAL TERPENES	0.007	64.09	1.831		VALENCENE	0.007	ND	ND	
LIMONENE	0.007	21.21	0.606		ALPHA-CEDRENE	0.007	ND	ND	
BETA-MYRCENE	0.007	12.36	0.353		ALPHA-PHELLANDRENE	0.007	ND	ND	
BETA-CARYOPHYLLENE	0.007	7.21	0.206		ALPHA-TERPINENE	0.007	ND	ND	
LINALOOL	0.007	5.08	0.145		ALPHA-TERPINOLENE	0.007	ND	ND	
BETA-PINENE	0.007	4.10	0.117		CIS-NEROLIDOL	0.007	ND	ND	
ALPHA-HUMULENE	0.007	3.12	0.089		GAMMA-TERPINENE	0.007	ND	ND	
ALPHA-PINENE	0.007	2.84	0.081		TRANS-NEROLIDOL	0.007	ND	ND	
FENCHYL ALCOHOL	0.007	2.77	0.079		Analysis Method : SOP.T.30.061A.FL, SOP.T.40.061A.FL				
ALPHA-BISABOLOL	0.007	2.00	0.057		Weight: 0.9793g				
TOTAL TERPINEOL	0.007	1.96	0.056		Extraction date: 02/23/24 21:16:54				
CAMPHENE	0.007	0.91	0.026		Extracted by: 1665				
FARNESENE	0.001	0.56	0.016		Analysis Batch : DA069692TER				
3-CARENE	0.007	ND	ND		Instrument Used : DA-GCMS-009				
BORNEOL	0.013	ND	ND		Reviewed On : 02/23/24 21:41:54				
CAMPHOR	0.007	ND	ND		Batch Date : 02/22/24 13:44:02				
CARYOPHYLLENE OXIDE	0.007	ND	ND		Analysis Date : N/A				
CEDROL	0.007	ND	ND		Dilution : 10				
EUCALYPTOL	0.007	ND	ND		Reagent : N/A				
FENCHONE	0.007	ND	ND		Consumables : N/A				
GERANIOL	0.007	ND	ND		Pipette : N/A				
GERANYL ACETATE	0.007	ND	ND		Terpenoid testing is performed utilizing Gas Chromatography Mass Spectrometry. For all Flower samples, the Total Terpenes % is dry-weight corrected.				
GUAIOL	0.007	ND	ND						
HEXAHYDROTHYMOL	0.007	ND	ND						
ISOBORNEOL	0.007	ND	ND						
ISOPULEGOL	0.007	ND	ND						
NEROL	0.007	ND	ND						
OCIMENE	0.007	ND	ND						
PULEGONE	0.007	ND	ND						
SABINENE	0.007	ND	ND						
SABINENE HYDRATE	0.007	ND	ND						
Total (%)			1.831						

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1117

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Sample Method : SOP.T.20.010

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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)	0.010	ppm	5	PASS	ND	OXAMYL	0.010	ppm	0.5	PASS	ND
TOTAL DIMETHOMORPH	0.010	ppm	0.2	PASS	ND	PACLOBUTRAZOL	0.010	ppm	0.1	PASS	ND
TOTAL PERMETHRIN	0.010	ppm	0.1	PASS	ND	PHOSMET	0.010	ppm	0.1	PASS	ND
TOTAL PYRETHRINS	0.010	ppm	0.5	PASS	ND	PIPERONYL BUTOXIDE	0.010	ppm	3	PASS	ND
TOTAL SPINETORAM	0.010	ppm	0.2	PASS	ND	PRALLETHRIN	0.010	ppm	0.1	PASS	ND
TOTAL SPINOSAD	0.010	ppm	0.1	PASS	ND	PROPICONAZOLE	0.010	ppm	0.1	PASS	ND
ABAMECTIN B1A	0.010	ppm	0.1	PASS	ND	PROPOXUR	0.010	ppm	0.1	PASS	ND
ACEPHATE	0.010	ppm	0.1	PASS	ND	PYRIDABEN	0.010	ppm	0.2	PASS	ND
ACEQUINOCYL	0.010	ppm	0.1	PASS	ND	SPIROMESIFEN	0.010	ppm	0.1	PASS	ND
ACETAMIPRID	0.010	ppm	0.1	PASS	ND	SPIROTETRAMAT	0.010	ppm	0.1	PASS	ND
ALDICARB	0.010	ppm	0.1	PASS	ND	SPIROXAMINE	0.010	ppm	0.1	PASS	ND
AZOXYSTROBIN	0.010	ppm	0.1	PASS	ND	TEBUCONAZOLE	0.010	ppm	0.1	PASS	ND
BIFENAZATE	0.010	ppm	0.1	PASS	ND	THIACLOPRID	0.010	ppm	0.1	PASS	ND
BIFENTHRIN	0.010	ppm	0.1	PASS	ND	THIAMETHOXAM	0.010	ppm	0.5	PASS	ND
BOSCALID	0.010	ppm	0.1	PASS	ND	TRIFLOXYSTROBIN	0.010	ppm	0.1	PASS	ND
CARBARYL	0.010	ppm	0.5	PASS	ND	PENTACHLORONITROBENZENE (PCNB) *	0.010	PPM	0.15	PASS	ND
CARBOFURAN	0.010	ppm	0.1	PASS	ND	PARATHION-METHYL *	0.010	PPM	0.1	PASS	ND
CHLORANTRANILIPROLE	0.010	ppm	1	PASS	ND	CAPTAN *	0.070	PPM	0.7	PASS	ND
CHLORMEQUAT CHLORIDE	0.010	ppm	1	PASS	ND	CHLORDANE *	0.010	PPM	0.1	PASS	ND
CHLORPYRIFOS	0.010	ppm	0.1	PASS	ND	CHLORFENAPYR *	0.010	PPM	0.1	PASS	ND
CLOFENTEZINE	0.010	ppm	0.2	PASS	ND	CYFLUTHRIN *	0.050	PPM	0.5	PASS	ND
COUMAPHOS	0.010	ppm	0.1	PASS	ND	CYPERMETHRIN *	0.050	PPM	0.5	PASS	ND
DAMINOZIDE	0.010	ppm	0.1	PASS	ND						
DIAZINON	0.010	ppm	0.1	PASS	ND	Analyzed by:	Weight:	Extraction date:	Extracted by:		
DICHLORVOS	0.010	ppm	0.1	PASS	ND	3379, 53, 1665, 1440	0.8532g	02/22/24 14:38:29	3379		
DIMETHOATE	0.010	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),					
ETHOPROPHOS	0.010	ppm	0.1	PASS	ND	SOP.T.40.102.FL (Davie)					
ETOFENPROX	0.010	ppm	0.1	PASS	ND	Analytical Batch : DA069677PES		Reviewed On : 02/23/24 10:35:41			
ETOXAZOLE	0.010	ppm	0.1	PASS	ND	Instrument Used : DA-LCMS-003 (PES)		Batch Date : 02/22/24 10:47:04			
FENHEXAMID	0.010	ppm	0.1	PASS	ND	Analyzed Date : 02/22/24 14:43:24					
FENOXYCARB	0.010	ppm	0.1	PASS	ND	Dilution : 250					
FENPYROXIMATE	0.010	ppm	0.1	PASS	ND	Reagent : 022024.R04; 040423.08; 022124.R12; 022124.R09; 021524.R13; 021324.R05; 022124.R07					
FIPRONIL	0.010	ppm	0.1	PASS	ND	Consumables : 326250IW					
FLONICAMID	0.010	ppm	0.1	PASS	ND	Pipette : DA-093; DA-094; DA-219					
FLUDIOXONIL	0.010	ppm	0.1	PASS	ND						
HEXYTHIAZOX	0.010	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.					
IMAZALIL	0.010	ppm	0.1	PASS	ND						
IMIDACLOPRID	0.010	ppm	0.4	PASS	ND	Analyzed by:	Weight:	Extraction date:	Extracted by:		
KRESOXIM-METHYL	0.010	ppm	0.1	PASS	ND	450, 53, 1665, 1440	0.8532g	02/22/24 14:38:29	3379		
MALATHION	0.010	ppm	0.2	PASS	ND	Analysis Method : SOP.T.30.151.FL (Gainesville), SOP.T.30.151A.FL (Davie), SOP.T.40.151.FL					
METALAXYL	0.010	ppm	0.1	PASS	ND	Analytical Batch : DA069678VOL		Reviewed On : 02/23/24 10:40:38			
METHIOCARB	0.010	ppm	0.1	PASS	ND	Instrument Used : DA-GCMS-001		Batch Date : 02/22/24 10:49:49			
METHOMYL	0.010	ppm	0.1	PASS	ND	Analyzed Date : 02/22/24 16:09:14					
MEVINPHOS	0.010	ppm	0.1	PASS	ND	Dilution : 250					
MYCLOBUTANIL	0.010	ppm	0.1	PASS	ND	Reagent : 022024.R04; 040423.08; 021424.R18; 021424.R19					
NALED	0.010	ppm	0.25	PASS	ND	Consumables : 326250IW; 14725401					
						Pipette : DA-080; DA-146; DA-218					
						Testing for agricultural agents is performed utilizing Gas Chromatography Triple-Quadrupole Mass Spectrometry in accordance with F.S. Rule 64ER20-39.					

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Page 4 of 5

	Microbial					PASSED						Mycotoxins					PASSED									
Analyte						LOD	Units	Result	Pass / Fail	Action Level	Analyte						LOD	Units	Result	Pass / Fail	Action Level					
ASPERGILLUS TERREUS								Not Present	PASS		AFLATOXIN B2						0.002	ppm	ND	PASS	0.02					
ASPERGILLUS NIGER								Not Present	PASS		AFLATOXIN B1						0.002	ppm	ND	PASS	0.02					
ASPERGILLUS FUMIGATUS								Not Present	PASS		OCHRATOXIN A						0.002	ppm	ND	PASS	0.02					
ASPERGILLUS FLAVUS								Not Present	PASS		AFLATOXIN G1						0.002	ppm	ND	PASS	0.02					
SALMONELLA SPECIFIC GENE								Not Present	PASS		AFLATOXIN G2						0.002	ppm	ND	PASS	0.02					
ECOLI SHIGELLA								Not Present	PASS		Analyzed by: 3379, 53, 1665, 1440						Weight: 0.8532g	Extraction date: 02/22/24 14:38:29		Extracted by: 3379						
TOTAL YEAST AND MOLD						10	CFU/g	7000	PASS	100000	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)						Reviewed On : 02/23/24 10:43:22 Batch Date : 02/22/24 12:02:10									
Analyzed by: 3336, 3621, 53, 1665, 1440						Weight: 0.8933g	Extraction date: 02/22/24 10:47:34		Extracted by: 3621		Analytical Batch : DA069688MYC Instrument Used : N/A Analyzed Date : 02/22/24 14:43:29															
Analysis Method : SOP.T.40.056C, SOP.T.40.058.FL, SOP.T.40.209.FL Analytical Batch : DA069659MIC						Reviewed On : 02/23/24 10:48:59 Batch Date : 02/22/24 09:09:06					Dilution : 250 Reagent : 022024.R04; 040423.08; 022124.R12; 022124.R09; 021524.R13; 021324.R05; 022124.R07 Consumables : 326250IW 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.									
Instrument Used : PathogenDx Scanner DA-111,Applied Biosystems Thermocycler DA-010,fisherbrand Isotemp Heat Block DA-020,fisherbrand Isotemp Heat Block DA-049,Fisher Scientific Isotemp Heat Block DA-021 Analyzed Date : 02/22/24 13:12:58											<div><div><div>Hg</div></div></div>						Heavy Metals					PASSED				
Dilution : N/A Reagent : 010924.52; 010924.64; 010924.74; 020724.R22; 100223.12 Consumables : 7569001023 Pipette : N/A											Metal						LOD	Units	Result	Pass / Fail	Action Level					
Analyzed by: 3336, 3621, 1665, 1440						Weight: 0.8933g	Extraction date: 02/22/24 10:47:34		Extracted by: 3621		TOTAL CONTAMINANT LOAD METALS						0.080	ppm	ND	PASS	1.1					
Analysis Method : SOP.T.40.208 (Gainesville), SOP.T.40.209.FL Analytical Batch : DA069670TYM						Reviewed On : 02/24/24 12:08:19 Batch Date : 02/22/24 10:21:41					ARSENIC						0.020	ppm	ND	PASS	0.2					
Instrument Used : Incubator (25-27°C) DA-096 Analyzed Date : 02/22/24 11:46:38											CADMIUM						0.020	ppm	ND	PASS	0.2					
Dilution : N/A Reagent : 010924.52; 010924.64; 010924.74; 012524.R09 Consumables : N/A Pipette : N/A											MERCURY						0.020	ppm	ND	PASS	0.2					
Total yeast and mold testing is performed utilizing MPN and traditional culture based techniques in accordance with F.S. Rule 64ER20-39.											LEAD						0.020	ppm	ND	PASS	0.5					
Analyzed by: 1022, 53, 1665, 1440						Weight: 0.2492g	Extraction date: 02/22/24 11:27:14		Extracted by: 1022																	



Heavy Metals

PASSED

Metal	LOD	Units	Result	Pass / Fail	Action Level
TOTAL CONTAMINANT LOAD METALS	0.080	ppm	ND	PASS	1.1
ARSENIC	0.020	ppm	ND	PASS	0.2
CADMIUM	0.020	ppm	ND	PASS	0.2
MERCURY	0.020	ppm	ND	PASS	0.2
LEAD	0.020	ppm	ND	PASS	0.5
Analized by: 1022, 53, 1665, 1440	Weight: 0.2492g	Extraction date: 02/22/24 11:27:14	Extracted by: 1022		
Analysis Method : SOP.T.30.082.FL, SOP.T.40.082.FL					
Analytical Batch : DA069664HEA		Reviewed On : 02/23/24 08:39:56			
Instrument Used : DA-ICPMS-004		Batch Date : 02/22/24 09:54:15			
Analized Date : 02/22/24 15:45:50					
Dilution : 50					
Reagent : 020724.R07; 021924.R03; 022124.R13; 021924.R01; 021924.R02; 020524.01; 021324.R02					
Consumables : 179436; 34623011; 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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Matrix : Flower  
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Batch# : 1685 9970 1180  
1117

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Ordered : 02/22/24

Sample Size Received : 31.5 gram

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Sample Method : SOP.T.20.010

Page 5 of 5



Filth/Foreign  
Material

PASSED



Moisture

PASSED

Analyte		LOD	Units	Result	P/F	Action Level	Analyte		LOD	Units	Result	P/F	Action Level
Filth and Foreign Material		0.100	%	ND	PASS	1	Moisture Content		1.00	%	12.92	PASS	15
Analyzed by: N/A	Weight: NA	Extraction date: N/A			Extracted by: N/A		Analyzed by: 4444, 53, 1665, 1440		Weight: 0.511g	Extraction date: 02/22/24 16:04:15		Extracted by: 4444	
Analysis Method : SOP.T.40.090						Analysis Method : SOP.T.40.021							
Analytical Batch : N/A						Analytical Batch : DA069661MOI						Reviewed On : 02/23/24 08:25:59	
Instrument Used : N/A						Instrument Used : DA-003 Moisture Analyzer						Batch Date : 02/22/24 09:21:10	
Analyzed Date : N/A						Analyzed Date : 02/22/24 15:58:56							
Dilution : N/A						Dilution : N/A							
Reagent : N/A						Reagent : 092520.50; 020123.02							
Consumables : N/A						Consumables : N/A							
Pipette : N/A						Pipette : DA-066							

Filth and foreign material inspection is performed by visual inspection utilizing naked eye and microscope technologies in accordance with F.S. Rule 64ER20-39.

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



Water Activity

PASSED

Analyte	LOD	Units	Result	P/F	Action Level
Water Activity	0.010	aw	0.583	PASS	0.65
Analyzed by: 4444, 53, 1665, 1440	Weight: 1.75g	Extraction date: 02/22/24 16:09:08	Extracted by: 4444		
Analysis Method : SOP.T.40.019					
Analytical Batch : DA069662WAT			Reviewed On : 02/23/24 08:32:23		
Instrument Used : DA-324 Rotronic Hygropalm HC2-AW (Probe)			Batch Date : 02/22/24 09:30:36		
Analyzed Date : 02/22/24 15:54:04					
Dilution : N/A					
Reagent : 111423.05					
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.

This Kaycha Labs Certification shall not be reproduced, unless in its entirety, without written approval from Kaycha Labs. The results relate only to the material or product analyzed. ND=Not Detected, ppm=Parts Per Million, ppb=Parts Per Billion, RSD=Relative Standard Deviation. Limit of Detection (LOD) and Limit Of Quantitation (LOQ) are terms used to describe the smallest concentration that can be detected and reliably measured by an analytical procedure, respectively. Action Levels are State determined thresholds based on F.S. Rule 64ER20-39 and F.S. Rule 5K-4. The Measurement of Uncertainty (MU) error is available from the lab upon request. The "Decision Rule" for pass/fail does not include the MU. Any calculated totals may contain rounding errors.

Vivian Celestino  
Lab Director

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Signature  
02/24/24