



# Certificate of Analysis

Groove Solventless

Sample: 2404FID1925.12584

Strain: Swampwater Fumez

Batch #: 1; Lot #:

METRC Batch: 1A408010000CABD000000819; METRC Sample: 1A4080100013EC1000002308

Analysis Initiated: 04/11/2024; Report Created: 04/15/2024

Sampling SOP: SOP-0050

## Swampwater Fumez Flower (HB61)

Plant, Flower - Cured, Indoor  
Harvest/Production Date: 03/11/2024



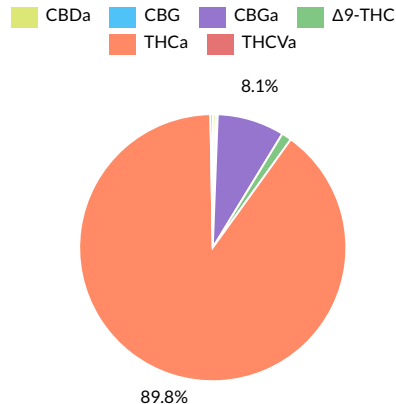
	<b>29.72%</b> Total Potential Psychoactive THC	<b>0.12%</b> Total CBD	<b>Pass</b> Foreign Matter
	<b>33.83%</b> Total Raw THC	<b>37.18%</b> Total Cannabinoids	<b>Pass</b> 10.40% Moisture

## Cannabinoids

Pass

Analytical Calibration Batch: Cannabinoids AF 03132024

Analyte	LOQ	Mass	Mass
	%	%	mg/g
THCa	0.05	33.38	333.8
Δ9-THC	0.05	0.45	4.5
Δ8-THC	0.05	ND	ND
THCVa	0.05	0.11	1.1
THCV	0.05	ND	ND
CBDa	0.05	0.13	1.3
CBD	0.05	ND	ND
CBN	0.05	ND	ND
CBGa	0.05	3.02	30.2
CBG	0.05	0.09	0.9
CBC	0.05	ND	ND
<b>Total</b>		<b>37.18</b>	<b>371.8</b>



Total Potential Psychoactive THC = THCa \* 0.877 + d9-THC | Total CBD = CBDa \* 0.877 + CBD  
 LOQ = Limit of Quantitation; NT = Not Tested; NR = Not Reported; ND = None Detected; PPM = Parts per Million; PPB = Parts per Billion; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory.  
 SOP-0037; Full spectrum cannabinoid analysis by High Performance Liquid Chromatography with UV detection (HPLC-UV). Reported result is based on sample dry weight.  
 SOP-0035; Foreign matter inspection includes but is not limited to hair, insects, stems, and feces. Filth is inspected using a M16-209 stereoscope. Stem measurements are performed using fisher calipers.  
 SOP-0036; Moisture analysis is performed using a Shimadzu moisture analyzer MOC63u UL. Testing listed above may not be included in our current PJLA scope of accreditation. Please consult PJLA Certificate# 102722 for a list of current accredited tests.



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 License # L-100170-003



Andre Umansky  
Laboratory Director

Accredited to ISO/IEC 17025:2017  
Accreditation #: 102722

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## Swampwater Fumez Flower (HB61)

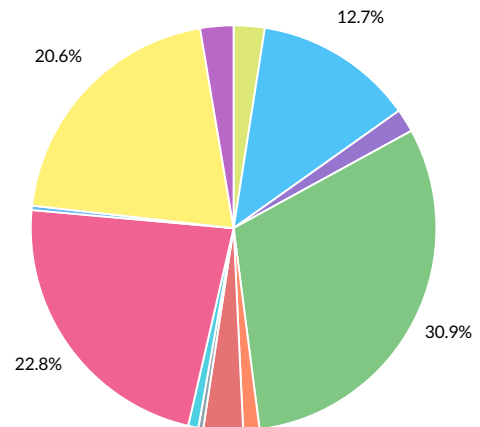
Plant, Flower - Cured, Indoor  
Harvest/Production Date: 03/11/2024



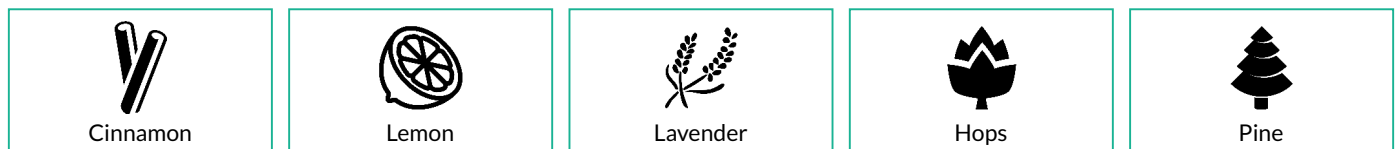
## Terpenes

Analytical Calibration Batch: Terpenes 03202024

Analyte	LOQ	Mass	Mass
	%	%	mg/g
β-Caryophyllene	0.008	0.816	8.16
δ-Limonene	0.008	0.603	6.03
Linalool	0.008	0.543	5.43
α-Humulene	0.008	0.335	3.35
β-Pinene	0.008	0.083	0.83
trans-Nerolidol	0.008	0.070	0.70
α-Bisabolol	0.008	0.065	0.65
α-Pinene	0.008	0.049	0.49
β-Myrcene	0.008	0.034	0.34
Caryophyllene Oxide	0.008	0.021	0.21
Camphene	0.008	0.010	0.10
Isopulegol	0.008	0.009	0.09
α-Terpinene	0.008	<LOQ	<LOQ
cis-Nerolidol	0.008	ND	ND
δ-3-Carene	0.008	ND	ND
Eucalyptol	0.008	ND	ND
γ-Terpinene	0.008	ND	ND
Geraniol	0.008	ND	ND
Guaiol	0.008	<LOQ	<LOQ
Ocimene	0.008	ND	ND
p-Cymene	0.008	ND	ND
Terpinolene	0.008	<LOQ	<LOQ
<b>Total</b>		<b>2.640</b>	<b>26.40</b>



## Primary Aromas



LOQ = Limit of Quantitation; NT = Not Tested; NR = Not Reported; ND = None Detected; PPM = Parts per Million; PPB = Parts per Billion; The reported result is based on a sample weight with the applicable moisture content for that sample; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. SOP-0044; Terpenoid profile screen is performed using a Thermo Scientific TRACE 1300 Gas Chromatography instrument equipped with a Flame Ionization Detector (GC-FID).



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Sampling SOP: SOP-0050

## Swampwater Fumez Flower (HB61)

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## Residual Solvents

Not Tested

Analytical Calibration Batch:

Analyte	LOQ	State Limits	Mass	Status	Analyte	LOQ	State Limits	Mass	Status
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LOQ = Limit of Quantitation; The reported result is based on a sample weight with the applicable moisture content for that sample; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. SOP-0056; A wide spectrum analysis of Residual Solvents using Gas Chromatography Mass Spectrometry (Thermo Scientific ISQ7000 GCMS).

## Mycotoxins

Pass

Analytical Calibration Batch: 04/11/2024

Analyte	LOQ	State Limit	Mass	Status
	PPB	PPB	PPB	
Ochratoxin A	12	20	ND	Pass
Total Aflatoxins	20	20	ND	Pass

## Microbials

Pass

Analyte	Limit	Mass	Status
	CFU/g	CFU/g	
	10000	NR	NT
Mold	Not Detected in 1.0g	ND	Pass
Aspergillus flavus	Not Detected in 1.0g	ND	Pass
Aspergillus fumigatus	Not Detected in 1.0g	ND	Pass
Aspergillus niger	Not Detected in 1.0g	ND	Pass
Aspergillus terreus	Not Detected in 1.0g	ND	Pass
Salmonella	Not Detected in 1.0g	ND	Pass
STEC	Not Detected in 1.0g	ND	Pass

LOQ = Limit of Quantitation; The reported result is based on a sample weight with the applicable moisture content for that sample; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. SOP-0048; Mycotoxin screening is performed using Sciex 6500+ LCMSMS with Exion XR front HPLC.

LOQ = Limit of Quantitation; TNTC = Too Numerous to Count; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. SOP-0057; STEC and Salmonella analysis on AriaDX qPCR using Medicinal Genomics validated methods. SOP-0063; Aspergillus species specific analysis on AriaDX qPCR using Medicinal Genomics validated methods. SOP-0061; Mold enumeration using Hardy Diagnostics media.



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## Pesticides

Analytical Calibration Batch: 04/11/2024

Pass

Analyte	LOQ	State Limit	Expanded Limit	Mass	Status
	PPM	PPM	PPM	PPM	
Abamectin	0.12	0.5	0.5	ND	Pass
Acequinocyl	0.12	2	2	ND	Pass
Bifenazate	0.12	0.2	0.2	ND	Pass
Bifenthrin	0.12	0.2	0.2	ND	Pass
Chloromequat chloride	0.12	1	1	ND	Pass
Cyfluthrin	0.12	1	1	ND	Pass
Daminozide	0.12	1	1	ND	Pass
Etoxazole	0.12	0.2	0.2	ND	Pass
Fenoxycarb	0.12	0.2	0.2	ND	Pass
Imazalil	0.12	0.2	0.2	ND	Pass
Imidacloprid	0.12	0.4	0.4	ND	Pass
Myclobutanil	0.12	0.2	0.2	ND	Pass
Paclobutrazol	0.12	0.4	0.4	ND	Pass
Pyrethrins	0.12	1	1	ND	Pass
Spinosad	0.12	0.2	0.2	ND	Pass
Spirotetramat	0.12	0.2	0.2	ND	Pass
Trifloxystrobin	0.12	0.2	0.2	ND	Pass

LOQ = Limit of Quantitation; The reported result is based on a sample weight with the applicable moisture content for that sample; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. SOP-0048; Pesticide screening is performed using Sciex 6500+ LCMSMS with Exion XR front HPLC.



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