



FIDELITY
DIAGNOSTICS

Certificate of Analysis

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1 of 3

Groove Solventless

Sample: 2309FID4599.29711

Strain: Mandarin Sunset

Batch #: B; Lot #:

METRC Batch: 1A4080100013EC1000000616; METRC Sample: 1A4080100013EC1000000623

Analysis Initiated: 09/16/2023; Report Created: 09/20/2023

Sampling SOP: SOP-0050

Mandarin Sunset Liquid Flower (HB41)

Ingestible, Tincture, Other

Harvest/Production Date: 09/15/2023



97.27 mg/unit

Total Potential
Psychoactive THC

ND

Total CBD

Not Tested

Foreign Matter

97.27 mg/unit

Total Raw THC

101.82 mg/unit

Total Cannabinoids

Not Tested

NT

Moisture

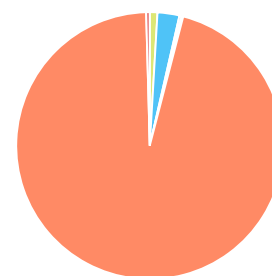
Cannabinoids

Pass

Analytical Calibration Batch: Cannabinoids AF 08282023

Analyte	LOQ	Mass	Mass
	mg/unit	mg/unit	mg/g
THCa	0.01	ND	ND
Δ^9 -THC	0.01	97.27	16.86
Δ^8 -THC	0.01	ND	ND
THCV	0.01	0.44	0.08
CBDa	0.01	ND	ND
CBD	0.01	ND	ND
CBN	0.01	0.22	0.04
CBGa	0.01	0.25	0.04
CBG	0.01	2.70	0.47
CBC	0.01	0.94	0.16
Total		101.82	17.65

CBC CBG CBGa CBN
 Δ^9 -THC THCV



95.5%

1 Unit = 1 Bottle, 5.7700g

Total Potential Psychoactive THC = THCa * 0.877 + Δ^9 -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.



Fidelity Diagnostics Laboratory
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<http://www.fidimt.com>
License # L-100170-003



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

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Laboratory Director

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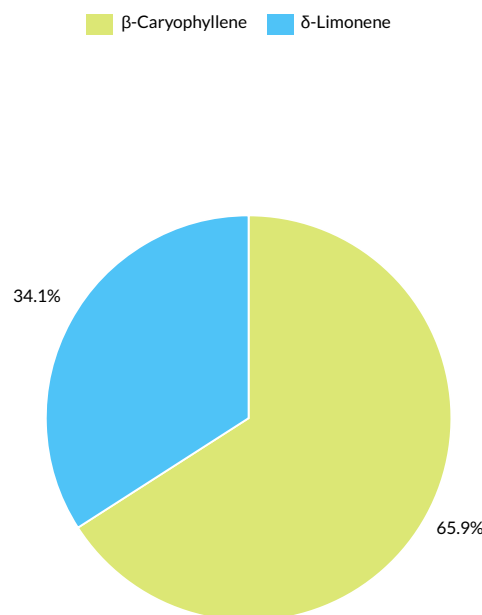
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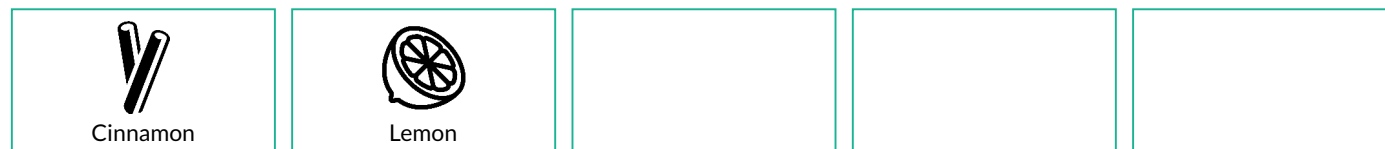
Terpenes

Analytical Calibration Batch: Terpenes 07272023

Analyte	LOQ	Mass	Mass
	%	%	mg/g
β-Caryophyllene	0.008	0.043	0.43
δ-Limonene	0.008	0.022	0.22
α-Bisabolol	0.008	ND	ND
α-Humulene	0.008	ND	ND
α-Pinene	0.008	ND	ND
α-Terpinene	0.008	ND	ND
β-Myrcene	0.008	ND	ND
β-Pinene	0.008	ND	ND
Camphene	0.008	ND	ND
Caryophyllene Oxide	0.008	ND	ND
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	ND	ND
Isopulegol	0.008	ND	ND
Linalool	0.008	ND	ND
Ocimene	0.008	ND	ND
p-Cymene	0.008	ND	ND
Terpinolene	0.008	ND	ND
trans-Nerolidol	0.008	ND	ND
Total		0.065	0.65



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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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

Not Tested

Analytical Calibration Batch:

Analyte	LOQ	State Limit	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-0048; Mycotoxin screening is performed using Sciex 6500+ LCMSMS with Exion XR front HPLC.

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; 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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