

## Mandarin Fuel Flower

Sample ID: 2309APO2381.11181

Strain: Mandarin Fuel

Matrix: Plant

Type: Flower - Cured

Produced:

Collected: 09/15/2023 04:58 pm

Received: 09/15/2023

Completed: 09/22/2023

Batch #: 08312023.MF.R4

Client

Local Flower

Lic. # 00000091DCWY00555666

Lot #:



### Summary

Test	Date Tested	Result
Batch		Pass
Cannabinoids	09/19/2023	Complete
Terpenes	09/21/2023	Complete
Microbials	09/21/2023	Pass
Pesticides	09/19/2023	Pass
Heavy Metals	09/19/2023	Pass

### Cannabinoids

Complete

21.0485%	<LOQ	24.9600%	1.6771%
Total THC	Total CBD	Total Cannabinoids <sup>(Q3)</sup>	Total Terpenes <sup>(Q3)</sup>

Analyte	LOD %	LOQ %	Result %	Result mg/g	Q
THCa		0.1000	23.7032	237.032	
Δ9-THC		0.1000	0.2608	2.608	
Δ8-THC		0.1000	ND	ND	
THCV		0.1000	ND	ND	
CBDa		0.1000	<LOQ	<LOQ	
CBD		0.1000	ND	ND	
CBDVa		0.1000	ND	ND	
CBDV		0.1000	ND	ND	
CBN		0.1000	ND	ND	
CBGa		0.1000	0.9960	9.960	
CBG		0.1000	<LOQ	<LOQ	
CBC		0.1000	ND	ND	
Total THC			21.0485	210.4850	
Total CBD			<LOQ	<LOQ	
Total			24.9600	249.600	

Date Tested: 09/19/2023 07:00 am



*[Signature]*

Bryant Kearl  
Lab Director  
09/22/2023

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## Pesticides

Analyte	LOQ	Limit	Units	Q	Status	Analyte	LOQ	Limit	Units	Q	Status
	PPM	PPM	PPM				PPM	PPM	PPM		
Abamectin	0.2500	0.5000	ND		Pass	Hexythiazox	0.5000	1.0000	ND	M2	Pass
Acephate	0.2000	0.4000	ND		Pass	Imazalil	0.1000	0.2000	ND		Pass
Acequinocyl	1.0000	2.0000	ND		Pass	Imidacloprid	0.2000	0.4000	ND	M1	Pass
Acetamiprid	0.1000	0.2000	ND		Pass	Kresoxim Methyl	0.2000	0.4000	ND		Pass
Aldicarb	0.2000	0.4000	ND		Pass	Malathion	0.1000	0.2000	ND		Pass
Azoxystrobin	0.1000	0.2000	ND		Pass	Metalaxyl	0.1000	0.2000	ND		Pass
Bifenazate	0.1000	0.2000	ND		Pass	Methiocarb	0.1000	0.2000	ND		Pass
Bifenthrin	0.1000	0.2000	ND	M2	Pass	Methomyl	0.2000	0.4000	ND		Pass
Boscalid	0.2000	0.4000	ND		Pass	Myclobutanil	0.1000	0.2000	ND		Pass
Carbaryl	0.1000	0.2000	ND		Pass	Naled	0.2500	0.5000	ND		Pass
Carbofuran	0.1000	0.2000	ND		Pass	Oxamyl	0.5000	1.0000	ND		Pass
Chlorantraniliprole	0.1000	0.2000	ND		Pass	Paclobutrazol	0.2000	0.4000	ND		Pass
Chlorfenapyr	0.5000	1.0000	ND	M2	Pass	Permethrins	0.1000	0.2000	ND	M2	Pass
Chlorpyrifos	0.1000	0.2000	ND		Pass	Phosmet	0.1000	0.2000	ND		Pass
Clofentezine	0.1000	0.2000	ND		Pass	Piperonyl Butoxide	1.0000	2.0000	ND		Pass
Cyfluthrin	0.5000	1.0000	ND	M2	Pass	Prallethrin	0.1000	0.2000	ND		Pass
Cypermethrin	0.5000	1.0000	ND		Pass	Propiconazole	0.2000	0.4000	ND		Pass
Daminozide	0.5000	1.0000	ND		Pass	Propoxur	0.1000	0.2000	ND		Pass
Diazinon	0.1000	0.2000	ND		Pass	Pyrethrins	0.5000	1.0000	ND	M2	Pass
Dichlorvos	0.0500	0.1000	ND		Pass	Pyridaben	0.1000	0.2000	ND		Pass
Dimethoate	0.1000	0.2000	ND		Pass	Spinosad	0.1000	0.2000	ND	M1	Pass
Ethoprophos	0.1000	0.2000	ND		Pass	Spiromesifen	0.1000	0.2000	ND		Pass
Etofenprox	0.2000	0.4000	ND	M2	Pass	Spirotetramat	0.1000	0.2000	ND	M1	Pass
Etoxazole	0.1000	0.2000	ND		Pass	Spiroxamine	0.2000	0.4000	ND	M1	Pass
Fenoxycarb	0.1000	0.2000	ND		Pass	Tebuconazole	0.2000	0.4000	ND		Pass
Fenpyroximate	0.2000	0.4000	ND	M2	Pass	Thiacloprid	0.1000	0.2000	ND		Pass
Fipronil	0.2000	0.4000	ND	M1	Pass	Thiamethoxam	0.1000	0.2000	ND		Pass
Flonicamid	0.5000	1.0000	ND		Pass	Trifloxystrobin	0.1000	0.2000	ND		Pass
Fludioxonil	0.2000	0.4000	ND		Pass						

## Herbicides

Analyte	LOQ	Limit	Units	Q	Status
	PPM	PPM	PPM		
Pendimethalin	0.0500	0.1000	ND		Pass

Date Tested: 09/19/2023 07:00 am

Pendimethalin is no longer a regulated parameter pursuant to HB2605 2021.



*[Signature]*

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## Microbials

Pass

Analyte	Limit	Result	Status	Q
Salmonella SPP	Detected/Not Detected in 1g	ND	Pass	
Aspergillus Flavus Aspergillus Fumigatus or Aspergillus Niger	Detected/Not Detected in 1g	ND	Pass	
Aspergillus terreus	Detected/Not Detected in 1g	ND	Pass	

Analyte	LOQ	Limit	Result	Status	Q
	CFU/g	CFU/g	CFU/g		
E. Coli	10.0	100.0	< 10 CFU/g	Pass	

Date Tested: 09/21/2023 12:00 am

## Mycotoxins

Not Tested

Analyte	LOD	LOQ	Limit	Units	Status	Q
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Date Tested:

## Heavy Metals

Pass

Analyte	LOD	LOQ	Limit	Units	Status	Q
	PPM	PPM	PPM	PPM		
Arsenic	0.0660	0.1330	0.4000	ND	Pass	
Cadmium	0.0660	0.1330	0.4000	ND	Pass	
Lead	0.1660	0.3330	1.0000	ND	Pass	
Mercury	0.2000	0.4000	1.2000	ND	Pass	

Date Tested: 09/19/2023 07:00 am



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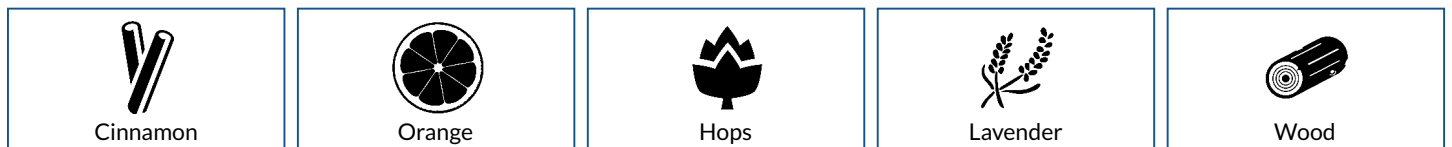
Lic. # 00000091DCWY00555666

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## Terpenes

Analyte	LOQ	Mass	Mass	Q	Analyte	LOQ	Mass	Mass	Q
	%	%	mg/g			%	%	mg/g	
β-Caryophyllene	0.0010	0.9413	9.413	Q3	cis-Citral	0.0010	ND	ND	Q3
D,L-Limonene	0.0010	0.2057	2.057	Q3	cis-Farnesol	0.0010	ND	ND	Q3
α-Humulene	0.0010	0.1080	1.080	Q3	cis-Nerolidol	0.0010	ND	ND	Q3
β-Myrcene	0.0010	0.0958	0.958	Q3	cis-beta-Ocimene	0.0010	ND	ND	Q3
Linalool	0.0010	0.0947	0.947	Q3	Citronellol	0.0010	ND	ND	Q3
Guaiol	0.0010	0.0654	0.654	Q3	Eucalyptol	0.0010	ND	ND	Q3
α-Bisabolol	0.0010	0.0484	0.484	Q3	γ-Terpinene	0.0010	ND	ND	Q3
β-Pinene	0.0010	0.0348	0.348	Q3	Geraniol	0.0010	ND	ND	Q3
Endo-Fenchyl Alcohol	0.0010	0.0224	0.224	Q3	Geranyl Acetate	0.0010	ND	ND	Q3
α-Pinene	0.0010	0.0187	0.187	Q3	Isobornyl Acetate	0.0010	ND	ND	Q3
α-Terpineol	0.0010	0.0177	0.177	Q3	Isopulegol	0.0010	ND	ND	Q3
trans-Nerolidol	0.0010	0.0066	0.066	Q3	m-Cymene	0.0010	ND	ND	Q3
Camphene	0.0010	0.0054	0.054	Q3	Menthol	0.0010	ND	ND	Q3
Fenchone	0.0010	0.0026	0.026	Q3	L-Menthone	0.0010	ND	ND	Q3
Isoborneol	0.0010	0.0026	0.026	Q3	Nerol	0.0010	ND	ND	Q3
D,L-Borneol	0.0010	0.0026	0.026	Q3	Nootkatone	0.0010	ND	ND	Q3
Terpinolene	0.0010	0.0025	0.025	Q3	o,p-Cymene	0.0010	ND	ND	Q3
Octyl Acetate	0.0010	0.0019	0.019	Q3	Phytane	0.0010	ND	ND	Q3
3-Carene	0.0010	ND	ND	Q3	Piperitone	0.0010	ND	ND	Q3
α-Cedrene	0.0010	ND	ND	Q3	Pulegone	0.0010	ND	ND	Q3
α-Phellandrene	0.0010	ND	ND	Q3	Sabinene	0.0010	ND	ND	Q3
α-Terpinene	0.0010	ND	ND	Q3	Sabinene Hydrate	0.0010	ND	ND	Q3
α-Thujone	0.0010	ND	ND	Q3	Safranal	0.0010	ND	ND	Q3
trans-β-Farnesene	0.0010	ND	ND	Q3	Terpinen-4-ol	0.0010	ND	ND	Q3
Camphor	0.0010	ND	ND	Q3	Thymol	0.0010	ND	ND	Q3
Carvacrol	0.0010	ND	ND	Q3	trans-Citral	0.0010	ND	ND	Q3
Carvone	0.0010	ND	ND	Q3	trans-beta-Ocimene	0.0010	ND	ND	Q3
Caryophyllene Oxide	0.0010	ND	ND	Q3	Valencene	0.0010	ND	ND	Q3
Cedrol	0.0010	ND	ND	Q3	Verbenone	0.0010	ND	ND	Q3
					Total		1.6771	16.771	

## Primary Aromas



Date Tested: 09/21/2023 12:00 am  
Terpenes analysis is not regulated by AZDHS.



*[Signature]*

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## Qualifiers Definitions

Qualifier Notation	Qualifier Description
I1	The relative intensity of a characteristic ion in a sample analyte exceeded the acceptance criteria in subsection (L)(1) with respect to the reference spectra, indicating interference
L1	When testing for pesticides, fungicides, herbicides, growth regulators, heavy metals, or residual solvents, the percent recovery of a laboratory control sample is greater than the acceptance limits in subsection (K)(2)(c), but the sample's target analytes were not detected above the maximum allowable concentrations in Table 3.1 for the analytes in the sample
M1	The recovery from the matrix spike in subsection (K)(4) was: a. High, but the recovery from the laboratory control sample in subsection (K)(2) was within acceptance criteria
M2	The recovery from the matrix spike in subsection (K)(4) was: b. Low, but the recovery from the laboratory control sample in subsection (K)(2) was within acceptance criteria
M3	The recovery from the matrix spike in subsection (K)(4) was: c. Unusable because the analyte concentration was disproportionate to the spike level, but the recovery from the laboratory control sample in subsection (K)(2) was within acceptance criteria
R1	The relative percent difference for the laboratory control sample and duplicate exceeded the limit in subsection (K)(3), but the recovery in subsection (K)(2) was within acceptance criteria
V1	The recovery from continuing calibration verification standards exceeded the acceptance limits in subsection (J)(1)(b), but the sample's target analytes were not detected above the maximum allowable concentrations in Table 3.1 for the analytes in the sample
Q2	The sample is heterogeneous, and sample homogeneity could not be readily achieved using routine laboratory practices - Used to denote that the sample as-received could not be fully pre-homogenized in packaging prior to microbiology analysis
Q3	Testing result is for informational purposes only and cannot be used to satisfy dispensary testing requirements in R9-17-317.01(A) or labeling requirements in R9-17-317



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