Apollo Labs
17301 North Perimeter Drive
Scottsdale, AZ 85255

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Lic# 00000013LCRK62049775

Mandarin Fuel Flower

Sample ID: 2309APO2566.11995
Strain: Mandarin Fuel

Matrix: Plant
Type: Flower - Cured

Produced:
Collected: 10/02/2023 12:49 pm
Received: 10/02/2023
Completed: 10/06/2023
Batch #: 09142023.MF.R2

Client
Local Flower
Lic. # 00000091DCWY00555666

Lot #:

Summary

Test	Date Tested	Result
Batch		Pass
Cannabinoids	10/02/2023	Complete
Terpenes	10/05/2023	Complete
Microbials	10/06/2023	Pass
Pesticides	10/03/2023	Pass
Heavy Metals	10/03/2023	Pass

Cannabinoids

Complete

19.9765%	<LOQ	24.0504%	3.1319%
Total THC	Total CBD	Total Cannabinoids (Q3)	Total Terpenes (Q3)

Analyte	LOD	LOQ	Result	Result	Q
	%	%	%	mg/g	
THCa		0.1000	22.5741	225.741	
Δ9-THC		0.1000	0.1790	1.790	
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	1.1670	11.670	
CBG		0.1000	0.1303	1.303	
CBC		0.1000	ND	ND	
Total THC			**19.9765**	**199.7650**	
Total CBD			**<LOQ**	**<LOQ**	
Total			**24.0504**	**240.504**	

Date Tested: 10/02/2023 07:00 am

Bryant Kearl
Lab Director
10/06/2023

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Pesticides

Pass

Analyte	LOQ	Limit	Units	Q	Status
	PPM	PPM	PPM		
Abamectin	0.2500	0.5000	ND	M2	Pass
Acephate	0.2000	0.4000	ND		Pass
Acequinocyl	1.0000	2.0000	ND		Pass
Acetamiprid	0.1000	0.2000	ND		Pass
Aldicarb	0.2000	0.4000	ND		Pass
Azoxystrobin	0.1000	0.2000	ND		Pass
Bifenazate	0.1000	0.2000	ND	M1	Pass
Bifenthrin	0.1000	0.2000	ND		Pass
Boscalid	0.2000	0.4000	ND		Pass
Carbaryl	0.1000	0.2000	ND		Pass
Carbofuran	0.1000	0.2000	ND		Pass
Chlorantraniliprole	0.1000	0.2000	ND	M1	Pass
Chlorfenapyr	0.5000	1.0000	ND		Pass
Chlorpyrifos	0.1000	0.2000	ND	M2	Pass
Clofentezine	0.1000	0.2000	ND		Pass
Cyfluthrin	0.5000	1.0000	ND		Pass
Cypermethrin	0.5000	1.0000	ND		Pass
Daminozide	0.5000	1.0000	ND	M1	Pass
Diazinon	0.1000	0.2000	ND		Pass
Dichlorvos	0.0500	0.1000	ND		Pass
Dimethoate	0.1000	0.2000	ND		Pass
Ethoprophos	0.1000	0.2000	ND		Pass
Etofenprox	0.2000	0.4000	ND	M2	Pass
Etoxazole	0.1000	0.2000	ND		Pass
Fenoxycarb	0.1000	0.2000	ND		Pass
Fenpyroximate	0.2000	0.4000	ND		Pass
Fipronil	0.2000	0.4000	ND	M1	Pass
Flonicamid	0.5000	1.0000	ND		Pass
Fludioxonil	0.2000	0.4000	ND		Pass

Analyte	LOQ	Limit	Units	Q	Status
	PPM	PPM	PPM		
Hexythiazox	0.5000	1.0000	ND		Pass
Imazalil	0.1000	0.2000	ND		Pass
Imidacloprid	0.2000	0.4000	ND	M1	Pass
Kresoxim Methyl	0.2000	0.4000	ND		Pass
Malathion	0.1000	0.2000	ND		Pass
Metalaxyl	0.1000	0.2000	ND		Pass
Methiocarb	0.1000	0.2000	ND		Pass
Methomyl	0.2000	0.4000	ND		Pass
Myclobutanil	0.1000	0.2000	ND		Pass
Naled	0.2500	0.5000	ND		Pass
Oxamyl	0.5000	1.0000	ND		Pass
Paclobutrazol	0.2000	0.4000	ND		Pass
Permethrins	0.1000	0.2000	ND	M2	Pass
Phosmet	0.1000	0.2000	ND		Pass
Piperonyl Butoxide	1.0000	2.0000	ND		Pass
Prallethrin	0.1000	0.2000	ND	M2	Pass
Propiconazole	0.2000	0.4000	ND		Pass
Propoxur	0.1000	0.2000	ND		Pass
Pyrethrins	0.5000	1.0000	ND	M2, M1	Pass
Pyridaben	0.1000	0.2000	ND		Pass
Spinosad	0.1000	0.2000	ND	M1	Pass
Spiromesifen	0.1000	0.2000	ND		Pass
Spirotetramat	0.1000	0.2000	ND	M1	Pass
Spiroxamine	0.2000	0.4000	ND	M1	Pass
Tebuconazole	0.2000	0.4000	ND		Pass
Thiacloprid	0.1000	0.2000	ND		Pass
Thiamethoxam	0.1000	0.2000	ND		Pass
Trifloxystrobin	0.1000	0.2000	ND		Pass

Herbicides

Analyte	LOQ	Limit	Units	Q	Status
	PPM	PPM	PPM		
Pendimethalin	0.0500		ND		Tested

Date Tested: 10/03/2023 07:00 am
Pendimethalin is no longer a regulated parameter pursuant to HB2605 2021.

Bryant Kearl
Lab Director
10/06/2023

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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: 10/06/2023 12:00 am

Mycotoxins

Not Tested

Analyte	LOD	LOQ	Limit	Units	Status	Q

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	0.0333	0.0667	0.2000	ND	Pass	

Date Tested: 10/03/2023 07:00 am

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Terpenes

Analyte	LOQ	Mass	Mass	Q
	%	%	mg/g	
β-Caryophyllene	0.0010	2.2517	22.517	Q3
D,L-Limonene	0.0010	0.2015	2.015	Q3
α-Humulene	0.0010	0.1707	1.707	Q3
Linalool	0.0010	0.1089	1.089	Q3
Guaiol	0.0010	0.0877	0.877	Q3
α-Bisabolol	0.0010	0.0645	0.645	Q3
β-Myrcene	0.0010	0.0441	0.441	Q3
β-Pinene	0.0010	0.0364	0.364	Q3
cis-Nerolidol	0.0010	0.0349	0.349	Q3
Endo-Fenchyl Alcohol	0.0010	0.0254	0.254	Q3
Isopulegol	0.0010	0.0254	0.254	Q3
α-Terpineol	0.0010	0.0221	0.221	Q3
α-Pinene	0.0010	0.0183	0.183	Q3
trans-Nerolidol	0.0010	0.0109	0.109	Q3
Geranyl Acetate	0.0010	0.0069	0.069	Q3
Camphene	0.0010	0.0057	0.057	Q3
cis-beta-Ocimene	0.0010	0.0044	0.044	Q3
Fenchone	0.0010	0.0030	0.030	Q3
D,L-Borneol	0.0010	0.0030	0.030	Q3
Terpinolene	0.0010	0.0024	0.024	Q3
Caryophyllene Oxide	0.0010	0.0022	0.022	Q3
Valencene	0.0010	0.0018	0.018	Q3
3-Carene	0.0010	ND	ND	Q3
α-Cedrene	0.0010	ND	ND	Q3
α-Phellandrene	0.0010	ND	ND	Q3
α-Terpinene	0.0010	ND	ND	Q3
α-Thujone	0.0010	ND	ND	Q3
trans-β-Farnesene	0.0010	ND	ND	Q3
Camphor	0.0010	ND	ND	Q3

Analyte	LOQ	Mass	Mass	Q
	%	%	mg/g	
Carvacrol	0.0010	ND	ND	Q3
Carvone	0.0010	ND	ND	Q3
Cedrol	0.0010	ND	ND	Q3
cis-Citral	0.0010	ND	ND	Q3
cis-Farnesol	0.0010	ND	ND	Q3
Citronellol	0.0010	ND	ND	Q3
Eucalyptol	0.0010	ND	ND	Q3
γ-Terpinene	0.0010	ND	ND	Q3
Geraniol	0.0010	ND	ND	Q3
Isoborneol	0.0010	ND	ND	Q3
Isobornyl Acetate	0.0010	ND	ND	Q3
m-Cymene	0.0010	ND	ND	Q3
Menthol	0.0010	ND	ND	Q3
L-Menthone	0.0010	ND	ND	Q3
Nerol	0.0010	ND	ND	Q3
Nootkatone	0.0010	ND	ND	Q3
o,p-Cymene	0.0010	ND	ND	Q3
Octyl Acetate	0.0010	ND	ND	Q3
Phytane	0.0010	ND	ND	Q3
Piperitone	0.0010	ND	ND	Q3
Pulegone	0.0010	ND	ND	Q3
Sabinene	0.0010	ND	ND	Q3
Sabinene Hydrate	0.0010	ND	ND	Q3
Safranal	0.0010	ND	ND	Q3
Terpinen-4-ol	0.0010	ND	ND	Q3
Thymol	0.0010	ND	ND	Q3
trans-Citral	0.0010	ND	ND	Q3
trans-beta-Ocimene	0.0010	ND	ND	Q3
Verbenone	0.0010	ND	ND	Q3
Total		**3.1319**	**31.319**	

Primary Aromas

Cinnamon | Orange | Hops | Lavender | Wood

Date Tested: 10/05/2023 12:00 am
Terpenes analysis is not regulated by AZDHS.

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Lab Director
10/06/2023

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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

Bryant Kearl
Lab Director
10/06/2023