

## Quality Assurance Testing CERTIFICATE OF ANALYSIS

DATE ISSUED 07/11/2024 | OVERALL BATCH RESULT: OPASS

# SAMPLE NAME: Yahemi Flower, Inhalable

## CULTIVATOR / MANUFACTURER

Business Name: License Number: Address:

#### SAMPLE DETAIL

Batch Number: Sample ID: 240708N021 Source Metrc UID:

## DISTRIBUTOR / TESTED FOR Business Name: License Number: Address:

Date Collected: 07/08/2024 Date Received: 07/09/2024 Batch Size: Sample Size: Unit Mass: Serving Size:



## CANNABINOID ANALYSIS - SUMMARY

Sum of Cannabinoids: 32.2425% Total Cannabinoids: 29.0246% Total THC: 27.2537%

Total CBD: 0.0782%

## SAFETY ANALYSIS - SUMMARY

Pesticides: **PASS** Microbiology (PCR): **PASS**   $\begin{array}{l} \text{Sum of Cannabinoids} = \Delta^{9}\text{-}THC + THCa + CBD + CBDa + CBG + CBGa + THCV + THCVa + CBC + CBCa + CBDV + CBDVa + \Delta^{8}\text{-}THC + CBL + CBN \\ \text{Total Cannabinoids} = (\Delta^{9}\text{-}THC + 0.877^{*}\text{THCa} + \Delta^{8}\text{-}THC) + \\ (CBD + 0.877^{*}\text{-}CBDa) + (CBG + 0.877^{*}\text{-}CBGa) + (THCV + 0.877^{*}\text{-}THCVa) + \\ (CBC + 0.877^{*}\text{-}CBCa) + (CBDV + 0.877^{*}\text{-}CBDVa) + CBL + CBN \\ \text{Total THC}/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during the decarboxylation step: \\ \text{Total THC} = \Delta^{9}\text{-}THC + (THCa (0.877)) + \Delta^{8}\text{-}THC \\ \text{Total CBD} = CBD + (CBDa (0.877)) \\ \end{array}$ 

CALCULATED USING DRY-WEIGHT

Moisture: 11.9%

Mycotoxins: 🤗 PASS

## Foreign Material: PASS

Heavy Metals: **PASS** Water Activity: **PASS** 

For quality assurance purposes. Not a Regulatory Compliance Testing Certificate. These results relate only to the sample included on this report. This report shall not be reproduced, except in full, without written approval of the laboratory.

Sample Certification: California Code of Regulations Title 4 Division 19. Department of Cannabis Control Business and Professions Code. Reference: Sections 26100, 26104 and 26110, Business and Professions Code.

Decision Rule: Statements of conformity (e.g. Pass/Fail) to specifications are made in this report without taking measurement uncertainty into account. Where statements of conformity are made in this report, the following decision rules are applied: PASS - Results within limits/specifications, FAIL - Results exceed limits/specifications. References: limit of detection (LOD), limit of quantification (LOQ), not detected (ND), not tested (NT)

LQC verified by: Michael Pham Job Title: Senior Laboratory Analyst Date: 07/11/2024

Approved by: Josh Wurzer Job Title: Chief Compliance Officer Date: 07/11/2024

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CATEGORY 1 PESTICIDE TEST RESULTS - 07/11/2024 OPASS

Pesticide and plant growth regulator analysis utilizing high-performance liquid

chromatography-mass spectrometry (HPLC-MS) or gas chromatography-mass

ACTION

MEASUREMENT

spectrometry (GC-MS). \*GC-MS utilized where indicated. Method: QSP 1212 - Analysis of Pesticides and Mycotoxins by LC-MS or QSP 1213 - Analysis of Pesticides by GC-MS

#### CANNABINOID TEST RESULTS - 07/11/2024

Tested by high-performance liquid chromatography with diode-array detection (HPLC-DAD). Calculated using Dry-Weight. Method: QSP 1157 - Analysis of Cannabinoids by HPLC-DAD

TOTAL CANNABINOIDS: 29.0246% Total Cannabinoids (Total THC) + (Total CBD) +	TOTAL CBG: 1.025% Total CBG (CBG+0.877*CBGa)
(Total CBG) + (Total THCV) + (Total CBC) + (Total CBDV) + CBL + CBN	TOTAL THCV: 0.2955%
TOTAL THC: 27.2537%	Total THCV (THCV+0.877*THCVa)
Total THC (Δ <sup>9</sup> -THC+0.877*THCa+Δ <sup>8</sup> -THC)	TOTAL CBC: 0.3722%
TOTAL CBD: 0.0782%	Total CBC (CBC+0.877*CBCa)
Total CBD (CBD+0.877*CBDa)	TOTAL CBDV: ND
	Total CBDV (CBDV+0.877*CBDVa)

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
THCa	0.062 / 0.250	±5.5436	299.655	29.9655
CBGa	0.040 / 0.250	±0.2911	10.358	1.0358
∆ <sup>9</sup> -THC	0.047 / 0.250	±0.1831	2.740	0.2740
CBCa	0.199 / 0.500	±0.1685	4.244	0.4244
THCVa	0.040 / 0.250	±0.0303	3.370	0.3370
CBG	0.037 / 0.250	±0.0152	1.166	0.1166
CBDa	0.031 / 0.250	±0.0162	0.892	0.0892
∆ <b><sup>8</sup>-THC</b>	0.075 / 0.250	N/A	ND	ND
THCV	0.052 / 0.250	N/A	ND	ND
CBD	0.062 / 0.250	N/A	ND	ND
CBDV	0.044 / 0.250	N/A	ND	ND
CBDVa	0.017 / 0.250	N/A	ND	ND
CBL	0.126 / 0.382	N/A	ND	ND
CBN	0.033 / 0.250	N/A	ND	ND
СВС	0.072 / 0.250	N/A	ND	ND
SUM OF CAN	SUM OF CANNABINOIDS			32.2425%

#### LOD/LOQ RESULT RESULT COMPOUND LIMIT UNCERTAINTY (µg/g) (µg/g) (µg/g) (µg/g) Aldicarb 0.03 / 0.08 $\geq LOD$ N/A ND PASS Carbofuran 0.02 / 0.05 ≥ LOD N/A PASS ND N/A Chlordane\* 0.03 / 0.08 $\geq LOD$ ND PASS $\geq LOD$ N/A PASS Chlorfenapyr\* 0.03/0.10 ND Chlorpyrifos 0.02 / 0.06 $\geq LOD$ N/A ND PASS Coumaphos 0.02 / 0.07 ≥ LOD N/A ND PASS PASS Daminozide 0.02 / 0.07 ≥ LOD N/A ND Dichlorvos (DDVP) 0.03 / 0.09 $\geq LOD$ N/A ND PASS Dimethoate N/A PASS 0.03 / 0.08 ≥ LOD ND Ethoprophos 0.03/0.10 $\geq LOD$ N/A ND PASS 0.02 / 0.06 ≥ LOD N/A ND PASS Etofenprox N/A PASS 0.03 / 0.08 $\geq 10D$ ND Fenoxycarb Fipronil 0.03/0.08 $\geq LOD$ N/A ND PASS PASS Imazalil 0.02 / 0.06 $\geq LOD$ N/A ND 0 02 / 0 07 >100 N/A PASS Methiocarb ND Parathion-methyl 0.03 / 0.10 $\geq LOD$ N/A ND PASS 0.03 / 0.09 ≥ LOD N/A PASS Mevinphos ND N/A Paclobutrazol 0.02 / 0.05 ≥ LOD ND PASS Propoxur 0.03 / 0.09 ≥ LOD N/A ND PASS Spiroxamine 0.03/0.08 $\geq LOD$ N/A PASS ND ≥ LOD N/A ND PASS Thiacloprid 0.03/0.10

#### MOISTURE TEST RESULT

11.9% Tested 07/10/2024 Method: QSP 1224 -Loss on Drying (Moisture)

## CATEGORY 2 PESTICIDE TEST RESULTS - 07/11/2024 OPASS

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (µg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (µg/g)	RESULT
Abamectin	0.03 / 0.10	0.1	N/A	ND	PASS
Acephate	0.02 / 0.07	0.1	N/A	ND	PASS
Acequinocyl	0.02 / 0.07	0.1	N/A	ND	PASS
Acetamiprid	0.02 / 0.05	0.1	N/A	ND	PASS
Azoxystrobin	0.02 / 0.07	0.1	N/A	ND	PASS
Bifenazate	0.01 / 0.04	0.1	N/A	ND	PASS
Bifenthrin	0.02 / 0.05	3	N/A	ND	PASS
Boscalid	0.03 / 0.09	0.1	N/A	ND	PASS
Captan	0.19/0.57	0.7	N/A	ND	PASS
Carbaryl	0.02 / 0.06	0.5	N/A	ND	PASS
Chlorantranilip- role	0.04 / 0.12	10	N/A	ND	PASS
Clofentezine	0.03 / 0.09	0.1	N/A	ND	PASS

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### CATEGORY 2 PESTICIDE TEST RESULTS - 07/11/2024 continued

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (µg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (µg/g)	RESULT
Cyfluthrin	0.12 / 0.38	2	N/A	ND	PASS
Cypermethrin	0.11/0.32	1	N/A	ND	PASS
Diazinon	0.02 / 0.05	0.1	N/A	ND	PASS
Dimethomorph	0.03 / 0.09	2	N/A	ND	PASS
Etoxazole	0.02 / 0.06	0.1	N/A	ND	PASS
Fenhexamid	0.03 / 0.09	0.1	N/A	ND	PASS
Fenpyroximate	0.02 / 0.06	0.1	N/A	ND	PASS
Flonicamid	0.03 / 0.10	0.1	N/A	ND	PASS
Fludioxonil	0.03 / 0.10	0.1	N/A	ND	PASS
Hexythiazox	0.02 / 0.07	0.1	N/A	ND	PASS
Imidacloprid	0.04 / 0.11	5	N/A	ND	PASS
Kresoxim-methyl	0.02 / 0.07	0.1	N/A	ND	PASS
Malathion	0.03 / 0.09	0.5	N/A	ND	PASS
Metalaxyl	0.02 / 0.07	2	N/A	ND	PASS
Methomyl	0.03 / 0.10	1	N/A	ND	PASS
Myclobutanil	0.03 / 0.09	0.1	N/A	ND	PASS
Naled	0.02 / 0.07	0.1	N/A	ND	PASS
Oxamyl	0.04 / 0.11	0.5	N/A	ND	PASS
Pentachloronitro- benzene*	0.03 / 0.09	0.1	N/A	ND	PASS
Permethrin	0.04 / 0.12	0.5	N/A	ND	PASS
Phosmet	0.03 / 0.10	0.1	N/A	ND	PASS
Piperonyl Butoxide	0.02 / 0.07	3	N/A	ND	PASS
Prallethrin	0.03 / 0.08	0.1	N/A	ND	PASS
Propiconazole	0.02 / 0.07	0.1	N/A	ND	PASS
Pyrethrins	0.04 / 0.12	0.5	±0.040	0.47	PASS
Pyridaben	0.02 / 0.07	0.1	N/A	ND	PASS
Spinetoram	0.02 / 0.07	0.1	N/A	ND	PASS
Spinosad	0.02 / 0.07	0.1	N/A	ND	PASS
Spiromesifen	0.02 / 0.05	0.1	N/A	ND	PASS
Spirotetramat	0.02 / 0.06	0.1	N/A	ND	PASS
Tebuconazole	0.02 / 0.07	0.1	N/A	ND	PASS
Thiamethoxam	0.03 / 0.10	5	N/A	ND	PASS
Trifloxystrobin	0.03 / 0.08	0.1	N/A	ND	PASS

### MYCOTOXIN TEST RESULTS - 07/11/2024 OPASS

Mycotoxin analysis utilizing high-performance liquid chromatography-mass spectrometry (HPLC-MS). Method: QSP 1212 - Analysis of Pesticides and Mycotoxins by LC-MS

COMPOUND	LOD/LOQ (µg/kg)	ACTION LIMIT (µg/kg)	MEASUREMENT UNCERTAINTY (µg/kg)	RESULT (µg/kg)	RESULT
Aflatoxin B1	2.0/6.0		N/A	ND	
Aflatoxin B2	1.8 / 5.6		N/A	ND	
Aflatoxin G1	1.0 / 3.1		N/A	ND	
Aflatoxin G2	1.2 / 3.5		N/A	ND	
Total Aflatoxin		20		ND	PASS
Ochratoxin A	6.3 / 19.2	20	N/A	ND	PASS

### HEAVY METALS TEST RESULTS - 07/11/2024 OPASS

Heavy metal analysis utilizing inductively coupled plasma-mass spectrometry (ICP-MS). Method: QSP 1160 - Analysis of Heavy Metals by ICP-MS

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (µg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT RESULT (µg/g)
Arsenic	0.02 / 0.1	0.2	N/A	<loq pass<="" th=""></loq>
Cadmium	0.02 / 0.05	0.2	N/A	ND PASS
Lead	0.04 / 0.1	0.5	N/A	<loq pass<="" th=""></loq>
Mercury	0.002 / 0.01	0.1	N/A	<loq pass<="" th=""></loq>

## MICROBIOLOGY TEST RESULTS (PCR) - 07/11/2024 OPASS

Analysis conducted by polymerase chain reaction (PCR) and fluorescence detection of microbiological contaminants. Method: QSP 1221 - Analysis of Microbiological Contaminants

COMPOUND	ACTION LIMIT	RESULT	RESULT
Shiga toxin-producing Escherichia coli	Not Detected in 1g	ND	PASS
Salmonella spp.	Not Detected in 1g	ND	PASS
Aspergillus fumigatus	Not Detected in 1g	ND	PASS
Aspergillus flavus	Not Detected in 1g	ND	PASS
Aspergillus niger	Not Detected in 1g	ND	PASS
Aspergillus terreus	Not Detected in 1g	ND	PASS



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## FOREIGN MATERIAL TEST RESULTS - 07/09/2024 O PASS

Visual analysis includes, but is not limited to, sand, soil, cinders, dirt, mold, hair, insect fragments, and mammalian excreta. **Method:** QSP 1226 - Analysis of Foreign Material in Cannabis and Cannabis Products

COMPOUND	ACTION LIMIT	RESULT	RESULT
Total Sample Area Covered by Sand, Soil, Cinders, or Dirt	>25%	None	PASS
Total Sample Area Covered by Mold	>25%	None	PASS
Total Sample Area Covered by an Imbedded Foreign Material	>25%	None	PASS
Insect Fragment Count	> 1 per 3 grams	0.0	PASS
Hair Count	> 1 per 3 grams	0.0	PASS
Mammalian Excreta Count	> 1 per 3 grams	0.0	PASS

## WATER ACTIVITY TEST RESULTS - 07/10/2024 O PASS

Method: QSP 1227 - Analysis of Water Activity in Cannabis and Cannabis Products

COMPOUND	LOD/LOQ (Aw)	ACTION LIMIT (Aw)	MEASUREMENT UNCERTAINTY (Aw)	RESULT RESULT (Aw)
Water Activity	0.030/0.15	0.65	±0.003	0.50 PASS