

SAMPLE NAME: Frosted Lime D8

Flower, Inhalable

CULTIVATOR / MANUFACTURER

Business Name:

License Number:

Address:

DISTRIBUTOR / TESTED FOR

Business Name: MHF Group, Inc.

License Number:

Address:



SAMPLE DETAIL

Batch Number:

Sample ID: 210318W024

Date Collected: 03/18/2021

Date Received: 03/18/2021

Batch Size:

Sample Size:

Unit Mass:

Serving Size:



Scan QR code to verify authenticity of results.

CANNABINOID ANALYSIS - SUMMARY

Total THC: 0.70%

Total CBD: 14.354%

Sum of Cannabinoids: 23.526%

Total Cannabinoids: 21.514%

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

Moisture: NT

Density: NT

Viscosity: NT

TERPENOID ANALYSIS - SUMMARY

39 TESTED, TOP 3 HIGHLIGHTED

Total Terpenoids: 1.6153%



SAFETY ANALYSIS - SUMMARY

Pesticides: NT

Heavy Metals: NT

Foreign Material: NT

Mycotoxins: NT

Microbial Impurities (PCR): NT

Water Activity: NT

Residual Solvents: NT

Microbial Impurities (Plating): NT

Vitamin E Acetate: NT

For quality assurance purposes. Not a Pre-Harvest Hemp Lab Test Report. 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 16 Effect Date January 16, 2019. Authority: Section 26013, 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: *Reza Naemeh*
 Date: 03/21/2021
 Approved by: *Josh Wurzer*, President
 Date: 03/21/2021



Cannabinoid Analysis

CANNABINOID TEST RESULTS - 03/20/2021

Tested by high-performance liquid chromatography with diode-array detection (HPLC-DAD).

Method: QSP 1157 - Analysis of Cannabinoids by HPLC-DAD

TOTAL THC: 0.70%

Total THC ($\Delta 9$ THC+0.877*THCa)

TOTAL CBD: 14.354%

Total CBD (CBD+0.877*CBDA)

TOTAL CANNABINOIDS: 21.514%

Total Cannabinoids (Total THC) + (Total CBD) + (Total CBG) + (Total THCV) + (Total CBC) + (Total CBDV) + $\Delta 8$ THC + CBL + CBN

TOTAL CBG: 0.3%

Total CBG (CBG+0.877*CBGa)

TOTAL THCV: ND

Total THCV (THCV+0.877*THCVa)

TOTAL CBC: 0.73%

Total CBC (CBC+0.877*CBCa)

TOTAL CBDV: 0.111%

Total CBDV (CBDV+0.877*CBDVa)

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
CBDA	0.06 / 0.22	±6.228	147.59	14.759
$\Delta 8$ THC	0.05 / 0.50	±2.122	53.19	5.319
CBD	0.1 / 0.3	±0.77	14.1	1.41
CBCa	0.1 / 0.4	±0.62	7.1	0.71
THCa	0.04 / 0.24	±0.207	5.02	0.502
CBGa	0.1 / 0.4	±0.19	2.7	0.27
$\Delta 9$ THC	0.1 / 0.4	±0.10	2.6	0.26
CBDVa	0.02 / 0.22	±0.014	1.26	0.126
CBC	0.1 / 0.2	±0.05	1.1	0.11
CBG	0.2 / 0.5	±0.05	0.6	0.06
CBDV	0.1 / 0.3	N/A	<LOQ	<LOQ
THCV	0.07 / 0.21	N/A	ND	ND
THCVa	0.05 / 0.17	N/A	ND	ND
CBL	0.1 / 0.4	N/A	ND	ND
CBN	0.07 / 0.20	N/A	ND	ND
SUM OF CANNABINOIDS			235.26 mg/g	23.526%

MOISTURE TEST RESULT

Not Tested

DENSITY TEST RESULT

Not Tested

VISCOSITY TEST RESULT

Not Tested





Terpenoid Analysis

TERPENOID TEST RESULTS - 03/21/2021

Terpene analysis utilizing gas chromatography-flame ionization detection (GC-FID).

Method: QSP 1192 - Analysis of Terpenoids by GC-FID

1 Myrcene

A monoterpene with a fragrance that can be described as peppery, spicy, herbal, floral and woody. Although it has a pleasant odor, it is typically used by the perfume industry as precursor for developing other fragrances. Found in hops, houttuynia, bay, thyme, lemon grass, mango, verbena, cardamom, citrus...etc.

2 β Caryophyllene

A sesquiterpene with a fragrance that can be described as spicy, woody, dry, dusty and mildly sweet. It was one of the first organic compounds to fully synthesized in a laboratory and plays a role in the endocannabinoid system as it is a functional CB₂ receptor agonist. Found in black pepper, clove, hops, rosemary, black-jack, perilla, spicebush, Indian pennywort, celery, frankincense, vitex, parsley, marigold, tamarind...etc.

3 α Pinene

One of two isomers of the monoterpene Pinene, the most abundant terpene in the natural world. It is responsible for the distinct aroma of many coniferous trees, particularly pines, from which it derives its name. It is a primary constituent of turpentine. Found in pines, rose gun, parsley, frankincense, guava, juniper, rosemary, nutmeg, blue gum, valerian...etc.

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
Myrcene	0.007 / 0.025	±0.3186	7.017	0.7017
β Caryophyllene	0.004 / 0.013	±0.1357	1.961	0.1961
α Pinene	0.005 / 0.015	±0.0558	1.213	0.1213
α Bisabolol	0.008 / 0.026	±0.0635	1.148	0.1148
Limonene	0.005 / 0.016	±0.0340	0.812	0.0812
α Humulene	0.009 / 0.031	±0.0452	0.654	0.0654
β Pinene	0.004 / 0.015	±0.0246	0.592	0.0592
Guaiol	0.011 / 0.035	±0.0381	0.546	0.0546
Linalool	0.009 / 0.030	±0.0217	0.430	0.0430
Ocimene	0.015 / 0.034	±0.0171	0.338	0.0338
Terpinolene	0.008 / 0.027	±0.0064	0.331	0.0331
trans-β-Farnesene	0.008 / 0.028	±0.0198	0.271	0.0271
Terpineol	0.014 / 0.046	±0.0179	0.228	0.0228
Fenchol	0.009 / 0.029	±0.0083	0.175	0.0175
Caryophyllene Oxide	0.011 / 0.038	±0.0124	0.163	0.0163
Nerolidol	0.008 / 0.028	±0.0101	0.099	0.0099
Borneol	0.004 / 0.014	±0.0040	0.066	0.0066
Valencene	0.010 / 0.033	±0.0037	0.056	0.0056
Camphene	0.004 / 0.014	±0.0013	0.031	0.0031
Citronellol	0.003 / 0.010	±0.0008	0.022	0.0022
Sabinene	0.004 / 0.014	N/A	<LOQ	<LOQ
α Phellandrene	0.006 / 0.019	N/A	<LOQ	<LOQ
γ Terpinene	0.005 / 0.018	N/A	<LOQ	<LOQ
Sabinene Hydrate	0.007 / 0.022	N/A	<LOQ	<LOQ
Fenchone	0.008 / 0.026	N/A	<LOQ	<LOQ
Nerol	0.003 / 0.011	N/A	<LOQ	<LOQ
3 Carene	0.005 / 0.018	N/A	ND	ND
α Terpinene	0.006 / 0.019	N/A	ND	ND
p-Cymene	0.005 / 0.015	N/A	ND	ND
Eucalyptol	0.005 / 0.018	N/A	ND	ND
(-)-Isopulegol	0.004 / 0.013	N/A	ND	ND
Camphor	0.005 / 0.015	N/A	ND	ND
Isoborneol	0.003 / 0.011	N/A	ND	ND
Menthol	0.008 / 0.025	N/A	ND	ND
R-(+)-Pulegone	0.003 / 0.010	N/A	ND	ND
Geraniol	0.002 / 0.007	N/A	ND	ND
Geranyl Acetate	0.004 / 0.012	N/A	ND	ND
α Cedrene	0.005 / 0.017	N/A	ND	ND
Cedrol	0.009 / 0.032	N/A	ND	ND
TOTAL TERPENOIDS			16.153 mg/g	1.6153%

