

SAMPLE NAME: Bubba Kush 39 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: 210318W023

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: 0.564%

Total CBD: 11.526%

Sum of Cannabinoids: 19.641%

Total Cannabinoids: 17.974%

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: 1.2547%

● β Caryophyllene 2.997 mg/g
 ● α Bisabolol 1.699 mg/g
 ● Limonene 1.557 mg/g

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: 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: Carmen Stackhouse Date: 03/22/2021
 Approved by: Josh Wurzer, President Date: 03/22/2021



Cannabinoid Analysis

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

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

TOTAL THC: 0.564%

Total THC (Δ^9 THC+0.877*THCa)

TOTAL CBD: 11.526%

Total CBD (CBD+0.877*CBDA)

TOTAL CANNABINOIDS: 17.974%

Total Cannabinoids (Total THC) + (Total CBD) + (Total CBG) + (Total THCV) + (Total CBC) + (Total CBDV) + Δ^8 THC + CBL + CBN

TOTAL CBG: 0.27%

Total CBG (CBG+0.877*CBGa)

TOTAL THCV: ND

Total THCV (THCV+0.877*THCVa)

TOTAL CBC: 0.66%

Total CBC (CBC+0.877*CBCa)

TOTAL CBDV: 0.03%

Total CBDV (CBDV+0.877*CBDVa)

CANNABINOID TEST RESULTS - 03/20/2021

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
CBDA	0.06 / 0.22	± 5.118	121.28	12.128
Δ^8 THC	0.05 / 0.50	± 1.965	49.24	4.924
CBD	0.1 / 0.3	± 0.49	8.9	0.89
CBCa	0.1 / 0.4	± 0.58	6.6	0.66
THCa	0.04 / 0.24	± 0.171	4.15	0.415
CBGa	0.1 / 0.4	± 0.21	3.1	0.31
Δ^9 THC	0.1 / 0.4	± 0.08	2.0	0.20
CBC	0.1 / 0.2	± 0.04	0.8	0.08
CBDVa	0.02 / 0.22	± 0.004	0.34	0.034
CBG	0.2 / 0.5	N/A	<LOQ	<LOQ
THCV	0.07 / 0.21	N/A	ND	ND
THCVa	0.05 / 0.17	N/A	ND	ND
CBDV	0.1 / 0.3	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			196.41 mg/g	19.641%

MOISTURE TEST RESULT

Not Tested

DENSITY TEST RESULT

Not Tested

VISCOSITY TEST RESULT

Not Tested





Terpenoid Analysis

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

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

1 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.

2 α Bisabolol

A sesquiterpene alcohol with a fragrance that can be described as floral, peppery, sweet and clean. Found in chamomile, figwort, yarrow, skullcaps, lavender, ironwort, germander...etc.

3 Limonene

A monoterpene with a fragrance that can be described as orangey, citrusy, sweet and tart. It is most commonly found in nature as D-Limonene and is a primary contributor to the distinct scent of orange peels, from which it is commonly derived. Found in numerous pines, red maple, silver maple, aspens, cottonwoods, hemlocks, sumac, cedar, junipers...etc.

TERPENOID TEST RESULTS - 03/22/2021

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
β Caryophyllene	0.004 / 0.013	± 0.2074	2.997	0.2997
α Bisabolol	0.008 / 0.026	± 0.0940	1.699	0.1699
Limonene	0.005 / 0.016	± 0.0652	1.557	0.1557
Myrcene	0.007 / 0.025	± 0.0634	1.396	0.1396
Linalool	0.009 / 0.030	± 0.0624	1.235	0.1235
α Humulene	0.009 / 0.031	± 0.0636	0.920	0.0920
Guaial	0.011 / 0.035	± 0.0404	0.579	0.0579
trans- β -Farnesene	0.008 / 0.028	± 0.0386	0.528	0.0528
Terpineol	0.014 / 0.046	± 0.0207	0.263	0.0263
β Pinene	0.004 / 0.015	± 0.0098	0.237	0.0237
Fenchol	0.009 / 0.029	± 0.0105	0.221	0.0221
Nerolidol	0.008 / 0.028	± 0.0197	0.194	0.0194
Caryophyllene Oxide	0.011 / 0.038	± 0.0124	0.163	0.0163
α Pinene	0.005 / 0.015	± 0.0074	0.160	0.0160
Valencene	0.010 / 0.033	± 0.0102	0.154	0.0154
Eucalyptol	0.005 / 0.018	± 0.0038	0.074	0.0074
Borneol	0.004 / 0.014	± 0.0043	0.071	0.0071
Camphene	0.004 / 0.014	± 0.0014	0.034	0.0034
Fenchone	0.008 / 0.026	± 0.0014	0.030	0.0030
Sabinene Hydrate	0.007 / 0.022	± 0.0011	0.024	0.0024
Citronellol	0.003 / 0.010	± 0.0004	0.011	0.0011
γ Terpinene	0.005 / 0.018	N/A	<LOQ	<LOQ
Terpinolene	0.008 / 0.027	N/A	<LOQ	<LOQ
Nerol	0.003 / 0.011	N/A	<LOQ	<LOQ
Sabinene	0.004 / 0.014	N/A	ND	ND
α Phellandrene	0.006 / 0.019	N/A	ND	ND
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
Ocimene	0.015 / 0.034	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			12.547 mg/g	1.2547%

