

**SAMPLE NAME: FS PUFF Mango**

Concentrate, Hemp

**CULTIVATOR / MANUFACTURER**

**Business Name:**

**License Number:**

**Address:**

**DISTRIBUTOR / TESTED FOR**

**Business Name: AVIDA CBD**

**License Number:**

**Address:**  
CA



**SAMPLE DETAIL**

**Batch Number:** FSPM400210928

**Sample ID:** 211022T004

**Date Collected:** 10/22/2021

**Date Received:** 10/22/2021

**Batch Size:**

**Sample Size:**

**Unit Mass:**

**Serving Size:**



Scan QR code to verify authenticity of results.

**CANNABINOID ANALYSIS - SUMMARY**

**Total THC: 0.067%**

**Total CBD: 45.095%**

**Sum of Cannabinoids: 58.432%**

**Total Cannabinoids: 58.43%**

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 =  $(\Delta 9\text{THC} + 0.877 \cdot \text{THCa}) + (\text{CBD} + 0.877 \cdot \text{CBDA}) +$

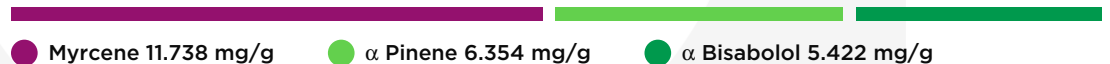
$(\text{CBG} + 0.877 \cdot \text{CBGa}) + (\text{THCV} + 0.877 \cdot \text{THCVa}) + (\text{CBC} + 0.877 \cdot \text{CBCa}) +$

$(\text{CBDV} + 0.877 \cdot \text{CBDVa}) + \Delta 8\text{THC} + \text{CBL} + \text{CBN}$

**TERPENOID ANALYSIS - SUMMARY**

39 TESTED, TOP 3 HIGHLIGHTED

**Total Terpenoids: 4.0253%**



**SAFETY ANALYSIS - SUMMARY**

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: 10/25/2021  
 Approved by: Josh Wurzer, President  
 Date: 10/25/2021



## 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: 0.067%**

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

**TOTAL CBD: 45.095%**

Total CBD (CBD+0.877\*CBDA)

**TOTAL CANNABINOIDS: 58.43%**

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

**TOTAL CBG: 10.74%**

Total CBG (CBG+0.877\*CBGa)

**TOTAL THCV: ND**

Total THCV (THCV+0.877\*THCVa)

**TOTAL CBC: <LOQ**

Total CBC (CBC+0.877\*CBCa)

**TOTAL CBDV: 2.45%**

Total CBDV (CBDV+0.877\*CBDVa)

### CANNABINOID TEST RESULTS - 10/25/2021

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
CBD	0.07 / 0.29	±20.879	450.95	45.095
CBG	0.06 / 0.19	±4.232	107.40	10.740
CBDV	0.04 / 0.15	±1.068	24.50	2.450
CBN	0.1 / 0.3	±0.05	0.8	0.08
$\Delta 9$ THC	0.06 / 0.26	±0.023	0.67	0.067
CBC	0.2 / 0.5	N/A	<LOQ	<LOQ
$\Delta 8$ THC	0.1 / 0.4	N/A	ND	ND
THCa	0.05 / 0.14	N/A	ND	ND
THCV	0.1 / 0.2	N/A	ND	ND
THCVa	0.07 / 0.20	N/A	ND	ND
CBDA	0.02 / 0.19	N/A	ND	ND
CBDVa	0.03 / 0.53	N/A	ND	ND
CBGa	0.1 / 0.2	N/A	ND	ND
CBL	0.06 / 0.24	N/A	ND	ND
CBCa	0.07 / 0.28	N/A	ND	ND
<b>SUM OF CANNABINOIDS</b>			<b>584.32 mg/g</b>	<b>58.432%</b>





## Terpenoid Analysis

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 $\alpha$ 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.

### 3 $\alpha$ 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.

## TERPENOID TEST RESULTS - 10/25/2021

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
Myrcene	0.008 / 0.025	±0.1514	11.738	1.1738
$\alpha$ Pinene	0.005 / 0.017	±0.0546	6.354	0.6354
$\alpha$ Bisabolol	0.008 / 0.026	±0.2895	5.422	0.5422
$\beta$ Caryophyllene	0.004 / 0.012	±0.1504	4.224	0.4224
$\beta$ Pinene	0.004 / 0.014	±0.0372	3.236	0.3236
Limonene	0.005 / 0.016	±0.0438	3.065	0.3065
3 Carene	0.005 / 0.018	±0.0143	1.005	0.1005
$\alpha$ Humulene	0.009 / 0.029	±0.0299	0.930	0.0930
$\alpha$ Phellandrene	0.006 / 0.020	±0.0109	0.805	0.0805
Linalool	0.009 / 0.032	±0.0298	0.783	0.0783
trans- $\beta$ -Farnesene	0.008 / 0.025	±0.0274	0.773	0.0773
Fenchol	0.010 / 0.034	±0.0099	0.256	0.0256
Terpineol	0.016 / 0.055	±0.0154	0.251	0.0251
Valencene	0.009 / 0.030	±0.0152	0.221	0.0221
$\alpha$ Cedrene	0.005 / 0.016	±0.0066	0.219	0.0219
Camphene	0.005 / 0.015	±0.0023	0.196	0.0196
Nerolidol	0.009 / 0.028	±0.0087	0.138	0.0138
Terpinolene	0.008 / 0.026	±0.0027	0.130	0.0130
Caryophyllene Oxide	0.010 / 0.033	±0.0059	0.128	0.0128
Guaiol	0.009 / 0.030	±0.0032	0.068	0.0068
Sabinene	0.004 / 0.014	±0.0007	0.056	0.0056
Menthol	0.008 / 0.025	±0.0021	0.053	0.0053
Geraniol	0.002 / 0.007	±0.0019	0.044	0.0044
$\alpha$ Terpinene	0.005 / 0.017	±0.0006	0.042	0.0042
Camphor	0.006 / 0.019	±0.0014	0.039	0.0039
Isoborneol	0.004 / 0.012	±0.0012	0.030	0.0030
Nerol	0.003 / 0.011	±0.0012	0.026	0.0026
p-Cymene	0.005 / 0.016	±0.0006	0.021	0.0021
$\gamma$ Terpinene	0.006 / 0.018	N/A	<LOQ	<LOQ
(-)-Isopulegol	0.005 / 0.016	N/A	<LOQ	<LOQ
Citronellol	0.003 / 0.010	N/A	<LOQ	<LOQ
Eucalyptol	0.006 / 0.018	N/A	ND	ND
Ocimene	0.011 / 0.038	N/A	ND	ND
Sabinene Hydrate	0.006 / 0.022	N/A	ND	ND
Fenchone	0.009 / 0.028	N/A	ND	ND
Borneol	0.005 / 0.016	N/A	ND	ND
R-(+)-Pulegone	0.003 / 0.011	N/A	ND	ND
Geranyl Acetate	0.004 / 0.014	N/A	ND	ND
Cedrol	0.008 / 0.027	N/A	ND	ND
<b>TOTAL TERPENOIDS</b>			<b>40.253 mg/g</b>	<b>4.0253%</b>

