

**SAMPLE NAME: FS PUFF Pineapple Paradise**

Concentrate, Hemp

**CULTIVATOR / MANUFACTURER**

**Business Name:**

**License Number:**

**Address:**

**DISTRIBUTOR / TESTED FOR**

**Business Name: AVIDA CBD**

**License Number:**

**Address:**  
CA



**SAMPLE DETAIL**

**Batch Number:** FSPPP400210928

**Sample ID:** 211022T006

**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: 0.056%**

**Total CBD: 44.614%**

**Sum of Cannabinoids: 57.989%**

**Total Cannabinoids: 57.99%**

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: 4.3369%**



**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: 0.056%**

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

**TOTAL CBD: 44.614%**

Total CBD (CBD+0.877\*CBDA)

**TOTAL CANNABINOIDS: 57.99%**

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

**TOTAL CBG: 10.694%**

Total CBG (CBG+0.877\*CBGa)

**TOTAL THCV: ND**

Total THCV (THCV+0.877\*THCVa)

**TOTAL CBC: 0.06%**

Total CBC (CBC+0.877\*CBCa)

**TOTAL CBDV: 2.455%**

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	±20.656	446.14	44.614
CBG	0.06 / 0.19	±4.213	106.94	10.694
CBDV	0.04 / 0.15	±1.070	24.55	2.455
CBN	0.1 / 0.3	±0.07	1.1	0.11
CBC	0.2 / 0.5	±0.02	0.6	0.06
$\Delta 9$ THC	0.06 / 0.26	±0.019	0.56	0.056
$\Delta 8$ 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>579.89 mg/g</b>	<b>57.989%</b>





## Terpenoid Analysis

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

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

### 1 $\alpha$ 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.

### 2 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.

### 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 - 10/25/2021

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
$\alpha$ Pinene	0.005 / 0.017	$\pm 0.0772$	8.976	0.8976
Myrcene	0.008 / 0.025	$\pm 0.0905$	7.018	0.7018
Limonene	0.005 / 0.016	$\pm 0.0859$	6.005	0.6005
$\beta$ Pinene	0.004 / 0.014	$\pm 0.0652$	5.667	0.5667
$\beta$ Caryophyllene	0.004 / 0.012	$\pm 0.1612$	4.527	0.4527
$\alpha$ Bisabolol	0.008 / 0.026	$\pm 0.2319$	4.342	0.4342
$\alpha$ Humulene	0.009 / 0.029	$\pm 0.0584$	1.819	0.1819
Terpinolene	0.008 / 0.026	$\pm 0.0208$	1.017	0.1017
$\gamma$ Terpinene	0.006 / 0.018	$\pm 0.0083$	0.482	0.0482
$\alpha$ Phellandrene	0.006 / 0.020	$\pm 0.0063$	0.461	0.0461
Nerolidol	0.009 / 0.028	$\pm 0.0290$	0.461	0.0461
Linalool	0.009 / 0.032	$\pm 0.0174$	0.457	0.0457
Valencene	0.009 / 0.030	$\pm 0.0276$	0.400	0.0400
Caryophyllene Oxide	0.010 / 0.033	$\pm 0.0155$	0.336	0.0336
trans- $\beta$ -Farnesene	0.008 / 0.025	$\pm 0.0086$	0.242	0.0242
Camphene	0.005 / 0.015	$\pm 0.0023$	0.204	0.0204
Terpineol	0.016 / 0.055	$\pm 0.0098$	0.159	0.0159
Fenchol	0.010 / 0.034	$\pm 0.0055$	0.141	0.0141
p-Cymene	0.005 / 0.016	$\pm 0.0037$	0.137	0.0137
Geranyl Acetate	0.004 / 0.014	$\pm 0.0054$	0.131	0.0131
$\alpha$ Cedrene	0.005 / 0.016	$\pm 0.0028$	0.093	0.0093
3 Carene	0.005 / 0.018	$\pm 0.0012$	0.082	0.0082
Guaiol	0.009 / 0.030	$\pm 0.0022$	0.047	0.0047
(-)-Isopulegol	0.005 / 0.016	$\pm 0.0018$	0.044	0.0044
Sabinene	0.004 / 0.014	$\pm 0.0004$	0.031	0.0031
Menthol	0.008 / 0.025	$\pm 0.0012$	0.029	0.0029
Camphor	0.006 / 0.019	$\pm 0.0009$	0.024	0.0024
Geraniol	0.002 / 0.007	$\pm 0.0010$	0.022	0.0022
Isoborneol	0.004 / 0.012	$\pm 0.0006$	0.015	0.0015
$\alpha$ Terpinene	0.005 / 0.017	N/A	<LOQ	<LOQ
Eucalyptol	0.006 / 0.018	N/A	<LOQ	<LOQ
Ocimene	0.011 / 0.038	N/A	<LOQ	<LOQ
Borneol	0.005 / 0.016	N/A	<LOQ	<LOQ
Sabinene Hydrate	0.006 / 0.022	N/A	ND	ND
Fenchone	0.009 / 0.028	N/A	ND	ND
Nerol	0.003 / 0.011	N/A	ND	ND
Citronellol	0.003 / 0.010	N/A	ND	ND
R-(+)-Pulegone	0.003 / 0.011	N/A	ND	ND
Cedrol	0.008 / 0.027	N/A	ND	ND
<b>TOTAL TERPENOIDS</b>			<b>43.369 mg/g</b>	<b>4.3369%</b>

