

**SAMPLE NAME: Frosted Kush 600mg**

Infused, Concentrated Liquid Edible

**CULTIVATOR / MANUFACTURER**
**Business Name:**
**License Number:**
**Address:**
**DISTRIBUTOR / TESTED FOR**
**Business Name:** Acknowledge Farms, LLC

**License Number:**
**Address:**

**SAMPLE DETAIL**
**Batch Number:** 101060077A

**Sample ID:** 221107R005

**Date Collected:** 11/07/2022

**Date Received:** 11/07/2022

**Batch Size:**
**Sample Size:** 1.0 units

**Unit Mass:**
**Serving Size:** 1 milliliters per Serving


Scan QR code to verify authenticity of results.

**CANNABINOID ANALYSIS - SUMMARY**
**Total THC:** 0.694 mg/mL

**Total CBD:** 19.940 mg/mL

**Sum of Cannabinoids:** 21.628 mg/mL

**Total Cannabinoids:** 21.612 mg/mL

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 =  $\Delta^9$ -THC + (THCa (0.877))

Total CBD = CBD + (CBDa (0.877))

 Sum of Cannabinoids =  $\Delta^9$ -THC + THCa + CBD + CBDa + CBG + CBGa + THCV + THCVa + CBC + CBCa + CBDV + CBDVa +  $\Delta^8$ -THC + CBL + CBN

 Total Cannabinoids = ( $\Delta^9$ -THC+0.877\*THCa) + (CBD+0.877\*CBDa) + (CBG+0.877\*CBGa) + (THCV+0.877\*THCVa) + (CBC+0.877\*CBCa) + (CBDV+0.877\*CBDVa) +  $\Delta^8$ -THC + CBL + CBN

**Density:** 0.9164 g/mL

**TERPENOID ANALYSIS - SUMMARY**

39 TESTED, TOP 3 HIGHLIGHTED

**Total Terpenoids:** 0.0464%


●  $\alpha$ -Bisabolol 0.230 mg/g
 ●  $\beta$ -Caryophyllene 0.190 mg/g
 ●  $\alpha$ -Humulene 0.044 mg/g
 

For quality assurance purposes. Not a Regulatory 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 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)



Approved by: Josh Wurzer  
Job Title: President  
Date: 12/05/2022



## 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: 0.694 mg/mL

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

### TOTAL CBD: 19.940 mg/mL

Total CBD (CBD+0.877\*CBDa)

### TOTAL CANNABINOIDS: 21.612 mg/mL

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

### TOTAL CBG: 0.201 mg/mL

Total CBG (CBG+0.877\*CBGa)

### TOTAL THCV: ND

Total THCV (THCV+0.877\*THCVa)

### TOTAL CBC: 0.618 mg/mL

Total CBC (CBC+0.877\*CBCa)

### TOTAL CBDV: 0.119 mg/mL

Total CBDV (CBDV+0.877\*CBDVa)

## CANNABINOID TEST RESULTS - 11/10/2022

COMPOUND	LOD/LOQ (mg/mL)	MEASUREMENT UNCERTAINTY (mg/mL)	RESULT (mg/mL)	RESULT (%)
CBD	0.004 / 0.011	±0.7395	19.825	2.1634
$\Delta^9$ -THC	0.002 / 0.014	±0.0381	0.694	0.0757
CBC	0.003 / 0.010	±0.0199	0.618	0.0674
CBG	0.002 / 0.006	±0.0097	0.201	0.0219
CBDa	0.001 / 0.026	±0.0037	0.131	0.0143
CBDV	0.002 / 0.012	±0.0049	0.119	0.0130
CBN	0.001 / 0.007	±0.0007	0.024	0.0026
CBL	0.003 / 0.010	±0.0006	0.016	0.0017
$\Delta^8$ -THC	0.01 / 0.02	N/A	ND	ND
THCa	0.001 / 0.005	N/A	ND	ND
THCV	0.002 / 0.012	N/A	ND	ND
THCVa	0.002 / 0.019	N/A	ND	ND
CBDVa	0.001 / 0.018	N/A	ND	ND
CBGa	0.002 / 0.007	N/A	ND	ND
CBCa	0.001 / 0.015	N/A	ND	ND
<b>SUM OF CANNABINOIDS</b>			<b>21.628 mg/mL</b>	<b>2.3601%</b>

## Serving Size: 1 milliliters per Serving

$\Delta^9$ -THC per Serving	0.694 mg/serving
Total THC per Serving	0.694 mg/serving
CBD per Serving	19.825 mg/serving
Total CBD per Serving	19.940 mg/serving
Sum of Cannabinoids per Serving	21.628 mg/serving
Total Cannabinoids per Serving	21.612 mg/serving

## DENSITY TEST RESULT

0.9164 g/mL

Tested 11/10/2022

**Method:** QSP 7870 - Sample Preparation



## Terpenoid Analysis

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

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

### 1 $\alpha$ -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.

### 2 $\beta$ -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 CB<sub>2</sub> receptor agonist. Found in black pepper, clove, hops, rosemary, black-jack, perilla, spicebush, Indian pennywort, celery, frankincense, vitex, parsley, marigold, tamarind...etc.

### 3 $\alpha$ -Humulene

Also known as  $\alpha$ -caryophyllene, it is an isomer of the sesquiterpene  $\beta$ -Caryophyllene which frequently occurs in nature with many aromatic plants across the globe. It has a fragrance that can be described as earthy or musky with spicy undertones. Found in hops, forskohlii, skullcaps, basil, nutmeg, cloves, sage, cotton, tamarind, black pepper, guava, Scotch pine...etc.

## TERPENOID TEST RESULTS - 11/10/2022

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
$\alpha$ -Bisabolol	0.008 / 0.026	$\pm 0.0095$	0.230	0.0230
$\beta$ -Caryophyllene	0.004 / 0.012	$\pm 0.0053$	0.190	0.0190
$\alpha$ -Humulene	0.009 / 0.029	$\pm 0.0011$	0.044	0.0044
Eucalyptol	0.006 / 0.018	N/A	<LOQ	<LOQ
Terpineol	0.009 / 0.031	N/A	<LOQ	<LOQ
Caryophyllene Oxide	0.010 / 0.033	N/A	<LOQ	<LOQ
$\alpha$ -Pinene	0.005 / 0.017	N/A	ND	ND
Camphene	0.005 / 0.015	N/A	ND	ND
Sabinene	0.004 / 0.014	N/A	ND	ND
$\beta$ -Pinene	0.004 / 0.014	N/A	ND	ND
Myrcene	0.008 / 0.025	N/A	ND	ND
$\alpha$ -Phellandrene	0.006 / 0.020	N/A	ND	ND
$\Delta^3$ -Carene	0.005 / 0.018	N/A	ND	ND
$\alpha$ -Terpinene	0.005 / 0.017	N/A	ND	ND
p-Cymene	0.005 / 0.016	N/A	ND	ND
Limonene	0.005 / 0.016	N/A	ND	ND
$\beta$ -Ocimene	0.006 / 0.020	N/A	ND	ND
$\gamma$ -Terpinene	0.006 / 0.018	N/A	ND	ND
Sabinene Hydrate	0.006 / 0.022	N/A	ND	ND
Fenchone	0.009 / 0.028	N/A	ND	ND
Terpinolene	0.008 / 0.026	N/A	ND	ND
Linalool	0.009 / 0.032	N/A	ND	ND
Fenchol	0.010 / 0.034	N/A	ND	ND
Isopulegol	0.005 / 0.016	N/A	ND	ND
Camphor	0.006 / 0.019	N/A	ND	ND
Isoborneol	0.004 / 0.012	N/A	ND	ND
Borneol	0.005 / 0.016	N/A	ND	ND
Menthol	0.008 / 0.025	N/A	ND	ND
Nerol	0.003 / 0.011	N/A	ND	ND
Citronellol	0.003 / 0.010	N/A	ND	ND
Pulegone	0.003 / 0.011	N/A	ND	ND
Geraniol	0.002 / 0.007	N/A	ND	ND
Geranyl Acetate	0.004 / 0.014	N/A	ND	ND
$\alpha$ -Cedrene	0.005 / 0.016	N/A	ND	ND
trans- $\beta$ -Farnesene	0.008 / 0.025	N/A	ND	ND
Valencene	0.009 / 0.030	N/A	ND	ND
Nerolidol	0.006 / 0.019	N/A	ND	ND
Guaiol	0.009 / 0.030	N/A	ND	ND
Cedrol	0.008 / 0.027	N/A	ND	ND
<b>TOTAL TERPENOIDS</b>			<b>0.464 mg/g</b>	<b>0.0464%</b>

## NOTES

CoA Amended Update: Order Details-Batch ID