

**SAMPLE NAME: HHC Banana Kush**

Concentrate, Product Inhalable

**CULTIVATOR / MANUFACTURER**
**Business Name:**
**License Number:**
**Address:**
**DISTRIBUTOR / TESTED FOR**
**Business Name:** Hazy Ape

**License Number:**
**Address:**
**SAMPLE DETAIL**
**Batch Number:** HHCBK1G230419

**Sample ID:** 230512L032

**Date Collected:** 05/12/2023

**Date Received:** 05/12/2023

**Batch Size:**
**Sample Size:**
**Unit Mass:**
**Serving Size:**


Scan QR code to verify authenticity of results.

**CANNABINOID ANALYSIS - SUMMARY**
**Total THC:** **Not Detected**
**Total CBD:** **Not Detected**
**Sum of Cannabinoids:** **75.66%**
**Total Cannabinoids:** **75.66%**

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 + exo-THC +  $\Delta^8$ -THCV +  $\Delta^8$ -iso-THC + 9S-HHC + 9R-HHC +  $\Delta^{10}$ -THC +  $\Delta^9$ -THC Acetate

 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 + exo-THC +  $\Delta^8$ -THCV +  $\Delta^8$ -iso-THC + 9S-HHC + 9R-HHC +  $\Delta^{10}$ -THC +  $\Delta^9$ -THC Acetate

**TERPENOID ANALYSIS - SUMMARY**
**39 TESTED, TOP 3 HIGHLIGHTED**
**Total Terpenoids:** **3.4038%**

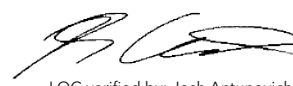
 **Limonene 9.207 mg/g**
 **Valencene 6.005 mg/g**
  **$\beta$ -Caryophyllene 5.297 mg/g**

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.

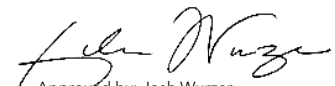
**Sample Certification:** California Code of Regulations Title 4 Division 19. Department of Cannabis Control Business and Professions Code. Reference: Sections 26100, 26104 and 26110, Business and Professions Code.

**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)



LQC verified by: Josh Antunovich  
Job Title: Laboratory Manager  
Date: 05/16/2023



Approved by: Josh Wurzer  
Job Title: Chief Compliance Officer  
Date: 05/16/2023



## Cannabinoid Analysis

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

†Analytes not part of our ISO/IEC 17025 scope of accreditation.

**Method:** QSP 1157 - Analysis of Cannabinoids by HPLC-DAD or QSP 34181 - Semisynthetic Cannabinoids Analysis by HPLC

### TOTAL THC: **Not Detected**

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

### TOTAL CBD: **Not Detected**

Total CBD (CBD+0.877\*CBDA)

### TOTAL CANNABINOIDS: **75.66%**

Total Cannabinoids (Total THC) + (Total CBD) + (Total CBG) + (Total THCV) + (Total CBC) + (Total CBDV) +  $\Delta^8$ -THC + CBL + CBN + exo-THC +  $\Delta^8$ -THCV +  $\Delta^8$ -iso-THC + 9S-HHC + 9R-HHC +  $\Delta^{10}$ -THC +  $\Delta^9$ -THC Acetate

### TOTAL CBG: **ND**

Total CBG (CBG+0.877\*CBGa)

### TOTAL THCV: **ND**

Total THCV (THCV+0.877\*THCVa)

### TOTAL CBC: **ND**

Total CBC (CBC+0.877\*CBCa)

### TOTAL CBDV: **ND**

Total CBDV (CBDV+0.877\*CBDVa)

## Terpenoid Analysis

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

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

## CANNABINOID TEST RESULTS - 05/16/2023

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
9R-HHC†	0.116 / 0.388	±17.8459	705.651	70.5651
9S-HHC†	0.056 / 0.186	±1.4671	47.555	4.7555
$\Delta^8$ -THC	0.1 / 0.4	±0.21	3.4	0.34
$\Delta^9$ -THC	0.06 / 0.26	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
CBD	0.07 / 0.29	N/A	ND	ND
CBDA	0.02 / 0.19	N/A	ND	ND
CBDV	0.04 / 0.15	N/A	ND	ND
CBDVa	0.03 / 0.53	N/A	ND	ND
CBG	0.06 / 0.19	N/A	ND	ND
CBGa	0.1 / 0.2	N/A	ND	ND
CBL	0.06 / 0.24	N/A	ND	ND
CBN	0.1 / 0.3	N/A	ND	ND
CBC	0.2 / 0.5	N/A	ND	ND
CBCa	0.07 / 0.28	N/A	ND	ND
$\Delta^{10}$ -THC†	0.083 / 0.276	N/A	ND	ND
$\Delta^8$ -iso-THC†	0.053 / 0.176	N/A	ND	ND
$\Delta^8$ -THCV†	0.081 / 0.270	N/A	ND	ND
$\Delta^9$ -THC Acetate†	0.091 / 0.305	N/A	ND	ND
exo-THC†	0.116 / 0.386	N/A	ND	ND
<b>SUM OF CANNABINOIDS</b>			<b>756.6 mg/g</b>	<b>75.66%</b>

## TERPENOID TEST RESULTS - 05/16/2023

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
Limonene	0.005 / 0.016	±0.1022	9.207	0.9207
Valencene	0.009 / 0.030	±0.3219	6.005	0.6005
$\beta$ -Caryophyllene	0.004 / 0.012	±0.1467	5.297	0.5297
Myrcene	0.008 / 0.025	±0.0353	3.529	0.3529
$\alpha$ -Humulene	0.009 / 0.029	±0.0435	1.739	0.1739
$\beta$ -Pinene	0.004 / 0.014	±0.0147	1.656	0.1656
$\alpha$ -Pinene	0.005 / 0.017	±0.0079	1.183	0.1183
Fenchol	0.010 / 0.034	±0.0252	0.838	0.0838
$\alpha$ -Bisabolol	0.008 / 0.026	±0.0329	0.792	0.0792

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## Terpenoid Analysis *Continued*

### TERPENOID TEST RESULTS - 05/16/2023 *continued*

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
Linalool	0.009 / 0.032	±0.0190	0.643	0.0643
Terpineol	0.009 / 0.031	±0.0287	0.601	0.0601
Nerolidol	0.006 / 0.019	±0.0196	0.400	0.0400
trans-β-Farnesene	0.008 / 0.025	±0.0107	0.387	0.0387
α-Phellandrene	0.006 / 0.020	±0.0034	0.324	0.0324
Caryophyllene Oxide	0.010 / 0.033	±0.0111	0.311	0.0311
Camphene	0.005 / 0.015	±0.0026	0.291	0.0291
β-Ocimene	0.006 / 0.020	±0.0052	0.208	0.0208
Terpinolene	0.008 / 0.026	±0.0025	0.156	0.0156
Isoborneol	0.004 / 0.012	±0.0037	0.119	0.0119
Citronellol	0.003 / 0.010	±0.0032	0.083	0.0083
Δ <sup>3</sup> -Carene	0.005 / 0.018	±0.0005	0.049	0.0049
p-Cymene	0.005 / 0.016	±0.0010	0.046	0.0046
α-Cedrene	0.005 / 0.016	±0.0009	0.040	0.0040
Camphor	0.006 / 0.019	±0.0009	0.033	0.0033
Nerol	0.003 / 0.011	±0.0011	0.033	0.0033
Borneol	0.005 / 0.016	±0.0010	0.030	0.0030
Geraniol	0.002 / 0.007	±0.0007	0.020	0.0020
Isopulegol	0.005 / 0.016	±0.0006	0.018	0.0018
Sabinene	0.004 / 0.014	N/A	<LOQ	<LOQ
α-Terpinene	0.005 / 0.017	N/A	<LOQ	<LOQ
Eucalyptol	0.006 / 0.018	N/A	<LOQ	<LOQ
γ-Terpinene	0.006 / 0.018	N/A	<LOQ	<LOQ
Menthol	0.008 / 0.025	N/A	<LOQ	<LOQ
Pulegone	0.003 / 0.011	N/A	<LOQ	<LOQ
Sabinene Hydrate	0.006 / 0.022	N/A	ND	ND
Fenchone	0.009 / 0.028	N/A	ND	ND
Geranyl Acetate	0.004 / 0.014	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>34.038 mg/g</b>	<b>3.4038%</b>

### 1 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.

### 2 Valencene

A sesquiterpene with a fragrance that can be described as fresh, sweet, citrusy, oily, and woody. It lends its name from the Valencia orange, which in turn lends its name from Valencia, Spain. Found in citrus (chiefly orange and mandarin), oregano, beautyberry, germander...etc.

### 3 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 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.