

**CERTIFICATE OF ANALYSIS** | HEMP QUALITY ASSURANCE TEST



Sample Name:

**Two Hawk – Melon Gum**

Concentrate, Hemp

Date Issued:

**04/08/2022**



[https://client.sclabs.com/sample\\_photos/220405N008.jpg](https://client.sclabs.com/sample_photos/220405N008.jpg)

Serving Size:

**2 grams**

## Sample Details

Sample ID: 220405N008

Batch Number:

[Show More](#)

Cultivator / Manufacturer

[Show Details](#)

Distributor / Tested For

[Show Details](#)

---

PhytoFacts®

Report



AROMA



FLAVOR



EFFECT

[View Online \(/erth-llc/two-hawk-melon-gum/phytofacts/\)](#) | [Download \(/erth-llc/two-hawk-melon-gum/phytofacts/download/\)](#)

The PhytoFacts chemometric report provides additional cannabinoid and terpenoid details, including dominant terpenes, entourage effects, aroma, flavor, and more.

## Share

Easily share a link to this results page with your friends, followers, or business partners.

Copy link

## Cannabinoid Analysis - Summary

[View Full Results](#)

Total THC: **Not Detected**

Total CBD: **Not Detected**

Sum of Cannabinoids: **0.17%**

Total Cannabinoids: **0.17%**

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

Total CBD =  $\text{CBD} + (\text{CBDa} (0.877))$

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

Why are Sum of Cannabinoids and Total Cannabinoids calculated separately?



## Terpenoid Analysis - Summary | 39 TESTED, TOP 3 HIGHLIGHTED

[View Full Results](#)Total Terpenoids: **1.9566%**

1	Limonene (0.6800%)	2	Linalool (0.2637%)	3	Myrcene (0.2238%)
---	--------------------	---	--------------------	---	-------------------

View Complete Test Results:

[Collapse All](#)Cannabinoid Analysis **Tested**[Show Less](#)

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

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

## Summary

Total THC:

**Not Detected** $(\Delta^9\text{-THC} + 0.877 * \text{THCa})$ 

Total CBD:

**Not Detected** $(\text{CBD} + 0.877 * \text{CBDa})$ 

Total CBG: ND

Total CBG  $(\text{CBG} + 0.877 * \text{CBGa})$ 

Total THCV: ND

Total THCV  $(\text{THCV} + 0.877 * \text{THCVa})$ 

Total CBC: ND

Total CBC  $(\text{CBC} + 0.877 * \text{CBCa})$

Total Cannabinoids: ?

**0.17%**

Total CBDV: ND

Total CBDV (CBDV+0.877\*CBDVa)

## Cannabinoid Test Results | 04/08/2022

## Result Views

Table

Pie Chart

Filter by:

Compound	LOD/LOQ (mg/g) <sup>?</sup>	Measurement Uncertainty (mg/g) <sup>?</sup>	Result (mg/g)	Result (%)
<b>Δ8 Tetrahydrocannabinol (Δ8THC)</b>	0.1 / 0.4	±0.11	1.7	0.17
<b>Cannabinol (CBN)</b>	0.1 / 0.3	N/A	<LOQ	<LOQ
<b>Δ9 Tetrahydrocannabinol (Δ9THC)</b>	0.06 / 0.26	N/A	ND	ND
<b>Tetrahydrocannabinolic Acid (THCa)</b>	0.05 / 0.14	N/A	ND	ND
<b>Tetrahydrocannabivarin (THCV)</b>	0.1 / 0.2	N/A	ND	ND
<b>Tetrahydrocannabivarinic Acid (THCVa)</b>	0.07 / 0.20	N/A	ND	ND
<b>Cannabidiol (CBD)</b>	0.07 / 0.29	N/A	ND	ND
<b>Cannabidiolic Acid (CBDa)</b>	0.02 / 0.19	N/A	ND	ND
<b>Cannabidivarin (CBDV)</b>	0.04 / 0.15	N/A	ND	ND
<b>SUM OF CANNABINOIDS</b>			<b>1.7 mg/g</b>	<b>0.17%</b>

Compound	LOD/LOQ (mg/g) <sup>?</sup>	Measurement Uncertainty (mg/g) <sup>?</sup>	Result (mg/g)	Result (%)
Cannabidivarinic Acid (CBDVa)	0.03 / 0.53	N/A	ND	ND
Cannabigerol (CBG)	0.06 / 0.19	N/A	ND	ND
Cannabigerolic Acid (CBGa)	0.1 / 0.2	N/A	ND	ND
Cannabicyclol (CBL)	0.06 / 0.24	N/A	ND	ND
Cannabichromene (CBC)	0.2 / 0.5	N/A	ND	ND
Cannabichromenic Acid (CBCa)	0.07 / 0.28	N/A	ND	ND
<b>SUM OF CANNABINOIDS</b>			<b>1.7 mg/g</b>	<b>0.17%</b>

Unit Mass: 2 GRAMS / Serving Size: 2 GRAMS

<b>Δ<sup>9</sup>-THC per Unit</b>	<b>ND</b>
<b>Δ<sup>9</sup>-THC per Serving</b>	<b>ND</b>
<b>Total THC per Unit</b>	<b>ND</b>

<b>Total THC Per Serving</b>	<b>ND</b>
<b>CBD per Unit</b>	<b>ND</b>
<b>CBD per Serving</b>	<b>ND</b>
<b>Total CBD per Unit</b>	<b>ND</b>
<b>Total CBD per Serving</b>	<b>ND</b>
<b>Sum of Cannabinoids per Unit</b>	<b>3.4 mg/unit</b>
<b>Sum of Cannabinoids per Serving</b>	<b>3.4 mg/serving</b>
<b>Total Cannabinoids per Unit</b>	<b>3.4 mg/unit</b>
<b>Total Cannabinoids per Serving</b>	<b>3.4 mg/serving</b>

## Learn more

The cannabis plant contains dozens of active compounds called cannabinoids (<https://www.sclabs.com/cannabinoids/>). These compounds are the primary contributors to the psychoactive effects of cannabis.

Cannabinoid testing (<https://www.sclabs.com/cannabis/>) determines the potency of a sample to aid in dosage considerations.





## Terpenoid Analysis **Tested**

[Show Less](#)

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

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

View PhytoFacts COA (</erth-llc/two-hawk-melon-gum/phytofacts/>)

See a visual representation of this sample's cannabinoid and terpenoid properties, including entourage effects, aroma, and flavor profile.

### Summary

Total Terpenoids (mg/g):

**19.566 mg/g**

Total Terpenoids (%):

**1.9566%**

### Dominant Terpenoids

Below are this sample's 3 most abundant terpenoids by volume. To see more detail for terpenoid content, view the [PhytoFacts report](/erth-llc/two-hawk-melon-gum/phytofacts/). (</erth-llc/two-hawk-melon-gum/phytofacts/>).

- 1 Limonene  
0.6800%
- 2 Linalool  
0.2637%
- 3 Myrcene  
0.2238%

## Terpenoid Test Results | 04/08/2022

## Result Views

Table

Bar Graph

Filter by:

Compound	LOD/LOQ (mg/g) <sup>②</sup>	Measurement Uncertainty (mg/g) <sup>②</sup>	Result (mg/g)	Result (%)
Limonene	0.005 / 0.016	±0.0755	6.800	0.6800
Linalool	0.009 / 0.032	±0.0781	2.637	0.2637
Myrcene	0.008 / 0.025	±0.0224	2.238	0.2238
β-Caryophyllene	0.004 / 0.012	±0.0590	2.129	0.2129
α-Pinene	0.005 / 0.017	±0.0131	1.959	0.1959
p-Cymene	0.005 / 0.016	±0.0377	1.805	0.1805
β-Pinene	0.004 / 0.014	±0.0140	1.570	0.1570
Fenchol	0.010 / 0.034	±0.0059	0.197	0.0197
α-Phellandrene	0.006 / 0.020	±0.0009	0.089	0.0089
<b>TOTAL</b>			<b>19.566 mg/g</b>	<b>1.9566%</b>

Compound	LOD/LOQ (mg/g) ②	Measurement Uncertainty (mg/g) ②	Result (mg/g)	Result (%)
Caryophyllene Oxide	0.010 / 0.033	±0.0021	0.060	0.0060
α-Humulene	0.009 / 0.029	±0.0008	0.033	0.0033
Camphene	0.005 / 0.015	±0.0002	0.027	0.0027
Δ <sup>3</sup> -Carene	0.005 / 0.018	±0.0002	0.022	0.0022
Sabinene	0.004 / 0.014	N/A	<LOQ	<LOQ
Terpinolene	0.008 / 0.026	N/A	<LOQ	<LOQ
α-Terpinene	0.005 / 0.017	N/A	ND	ND
Eucalyptol	0.006 / 0.018	N/A	ND	ND
β-Ocimene	0.006 / 0.020	N/A	ND	ND
γ-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
Isopulegol	0.005 / 0.016	N/A	ND	ND
<b>TOTAL</b>			<b>19.566 mg/g</b>	<b>1.9566%</b>

Compound	LOD/LOQ (mg/g) ②	Measurement Uncertainty (mg/g) ②	Result (mg/g)	Result (%)
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
Terpineol	0.009 / 0.031	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
<b>TOTAL</b>			<b>19.566 mg/g</b>	<b>1.9566%</b>

Compound	LOD/LOQ (mg/g) ②	Measurement Uncertainty (mg/g) ②	Result (mg/g)	Result (%)
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
α-Bisabolol	0.008 / 0.026	N/A	ND	ND
<b>TOTAL</b>			<b>19.566 mg/g</b>	<b>1.9566%</b>

### Learn more

Terpenoid analysis (<https://www.sclabs.com/terpene-analysis/>) is crucial for differentiating between strains of cannabis, as terpenoids (<https://www.sclabs.com/terpene/>) have a major influence on the medical and psychological effects of a plant. The relationship between cannabinoids and terpenoids is known as the "entourage effect."

**COA ID: 220405N008-001**