CERTIFICATE OF ANALYSIS | HEMP QUALITY ASSURANCE TEST

Erth

Sample Name:

Two Hawk - Golden Goat

Concentrate, Hemp

Date Issued:
04/08/2022

:.com/sample_photos/220405N009.jpg)

Serving Size:
2 grams

Sample Details

Sample ID: 220405N009

Batch Number:

Show More

Cultivator / Manufacturer

Show Details

Distributor / Tested For

Show Details

PhytoFacts®
Report

AROMA   FLAVOR   EFFECT

View Online (/erth-llc/two-hawk-golden-
goat/phytofacts/)   Download (/erth-llc/two-
hawk-golden-goat/phytofacts/download/)
The PhytoFacts chemometric report provides
additional cannabinoid and terpenoid details,
including dominant terpenes, entourage
effects, aroma, flavor, and more.

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| Copy link

Cannabinoid Analysis - Summary

View Full Results

Total THC: **Not Detected**

Total CBD: **Not Detected**

Sum of Cannabinoids: **0.16%**

Total Cannabinoids: **0.16%**

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 = Δ^9-THC + (THCa (0.877))
Total CBD = CBD + (CBDa (0.877))

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

Total Cannabinoids = (Δ^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) + Δ^8-THC + CBL + CBN

Why are Sum of Cannabinoids and Total Cannabinoids calculated separately? ⌄

Terpenoid Analysis - Summary | 39 TESTED, TOP 3 HIGHLIGHTED   <u>View Full Results</u>

Total Terpenoids: **3.5265%**

| 1 | Limonene (1.1080%) | 2 | β-Caryophyllene (0.6141%) | 3 | Myrcene (0.3568%) |

View Complete Test Results: <u>Collapse All</u>

Cannabinoid Analysis   **Tested**   <u>Show Less</u>

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: ⑦

0.16%

Total CBDV: ND
Total CBDV (CBDV+0.877*CBDVa)

Cannabinoid Test Results | 04/08/2022

Result Views

Table   Pie Chart

Compound	LOD/LOQ (mg/g) ⓘ	Measurement Uncertainty (mg/g) ⓘ	Result (mg/g)	Result (%)
Δ8 Tetrahydrocannabinol (Δ8THC)	0.1 / 0.4	±0.10	1.6	0.16
Cannabinol (CBN)	0.1 / 0.3	N/A	<LOQ	<LOQ
Δ9 Tetrahydrocannabinol (Δ9THC)	0.06 / 0.26	N/A	ND	ND
Tetrahydrocannabinolic Acid (THCa)	0.05 / 0.14	N/A	ND	ND
Tetrahydrocannabivarin (THCV)	0.1 / 0.2	N/A	ND	ND
Tetrahydrocannabivarinic Acid (THCVa)	0.07 / 0.20	N/A	ND	ND
Cannabidiol (CBD)	0.07 / 0.29	N/A	ND	ND
Cannabidiolic Acid (CBDa)	0.02 / 0.19	N/A	ND	ND
Cannabidivarin (CBDV)	0.04 / 0.15	N/A	ND	ND
SUM OF CANNABINOIDS			1.6 mg/g	0.16%

Compound	LOD/LOQ (mg/g) ⑦	Measurement Uncertainty (mg/g) ⑦	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
SUM OF CANNABINOIDS			**1.6 mg/g**	**0.16%**

Unit Mass: 2 GRAMS / Serving Size: 2 GRAMS

Δ^9-THC per Unit	ND
Δ^9-THC per Serving	ND
Total THC per Unit	ND

Total THC Per Serving	ND
CBD per Unit	ND
CBD per Serving	ND
Total CBD per Unit	ND
Total CBD per Serving	ND
Sum of Cannabinoids per Unit	3.2 mg/unit
Sum of Cannabinoids per Serving	3.2 mg/serving
Total Cannabinoids per Unit	3.2 mg/unit
Total Cannabinoids per Serving	3.2 mg/serving

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**

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-golden-goat/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):

35.265 mg/g

Total Terpenoids (%):

3.5265%

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-golden-goat/phytofacts/)

1   Limonene

   1.1080%

2   β-Caryophyllene

   0.6141%

3   Myrcene

   0.3568%

Terpenoid Test Results | 04/08/2022

Result Views

Table   Bar Graph

Filter by:

Compound	LOD/LOQ (mg/g) ⓘ	Measurement Uncertainty (mg/g) ⓘ	Result (mg/g)	Result (%)
Limonene	0.005 / 0.016	±0.1230	**11.080**	**1.1080**
β-Caryophyllene	0.004 / 0.012	±0.1701	**6.141**	**0.6141**
Myrcene	0.008 / 0.025	±0.0357	**3.568**	**0.3568**
Linalool	0.009 / 0.032	±0.0799	**2.701**	**0.2701**
β-Pinene	0.004 / 0.014	±0.0188	**2.115**	**0.2115**
p-Cymene	0.005 / 0.016	±0.0405	**1.939**	**0.1939**
Terpineol	0.009 / 0.031	±0.0724	**1.515**	**0.1515**
α-Humulene	0.009 / 0.029	±0.0339	**1.356**	**0.1356**
α-Pinene	0.005 / 0.017	±0.0075	**1.126**	**0.1126**
TOTAL			**35.265 mg/g**	**3.5265%**

Compound	LOD/LOQ (mg/g) ⓘ	Measurement Uncertainty (mg/g) ⓘ	Result (mg/g)	Result (%)
α-Bisabolol	0.008 / 0.026	±0.0460	1.109	0.1109
Fenchol	0.010 / 0.034	±0.0331	1.099	0.1099
Camphene	0.005 / 0.015	±0.0028	0.313	0.0313
Nerol	0.003 / 0.011	±0.0082	0.238	0.0238
Δ^3-Carene	0.005 / 0.018	±0.0026	0.231	0.0231
Caryophyllene Oxide	0.010 / 0.033	±0.0065	0.182	0.0182
Sabinene	0.004 / 0.014	±0.0015	0.160	0.0160
Terpinolene	0.008 / 0.026	±0.0018	0.113	0.0113
γ-Terpinene	0.006 / 0.018	±0.0015	0.108	0.0108
trans-β-Farnesene	0.008 / 0.025	±0.0023	0.084	0.0084
α-Terpinene	0.005 / 0.017	±0.0006	0.055	0.0055
Geranyl Acetate	0.004 / 0.014	±0.0010	0.032	0.0032
α-Phellandrene	0.006 / 0.020	N/A	<LOQ	<LOQ
TOTAL			35.265 mg/g	3.5265%

Compound	LOD/LOQ (mg/g) ⓘ	Measurement Uncertainty (mg/g) ⓘ	Result (mg/g)	Result (%)
Fenchone	0.009 / 0.028	N/A	‹LOQ	‹LOQ
Eucalyptol	0.006 / 0.018	N/A	ND	ND
β-Ocimene	0.006 / 0.020	N/A	ND	ND
Sabinene Hydrate	0.006 / 0.022	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
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
α-Cedrene	0.005 / 0.016	N/A	ND	ND
TOTAL			**35.265 mg/g**	**3.5265%**

Compound	LOD/LOQ (mg/g) ⑦	Measurement Uncertainty (mg/g) ⑦	Result (mg/g)	Result (%)
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**
TOTAL			**35.265 mg/g**	**3.5265%**

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 terpeneoids is known as the "entourage effect."

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