

SAMPLE NAME: Two Hawk - Double Bubble OG Blend

Concentrate, Product Inhalable

CULTIVATOR / MANUFACTURER
Business Name:
License Number:
Address:
DISTRIBUTOR / TESTED FOR
Business Name: Erth, LLC

License Number:
Address:
 CA

SAMPLE DETAIL
Batch Number:
Sample ID: 230728S005

Date Collected: 07/28/2023

Date Received: 07/28/2023

Batch Size:
Sample Size:
Unit Mass: 2 grams per Unit

Serving Size: 2 grams per Serving

CANNABINOID ANALYSIS - SUMMARY
Total THC: 0.29%

Total CBD: Not Detected

Sum of Cannabinoids: 81.00%

Total Cannabinoids: 81.00%

Total THC/CBD is calculated using the following formulas to take into

account the loss of a carboxyl group during the decarboxylation step:

 $Total\ THC = \Delta^9\text{-THC} + (THCa\ (0.877))$
 $Total\ CBD = CBD + (CBDa\ (0.877))$
 $Sum\ of\ Cannabinoids = \Delta^9\text{-THC} + THCa + CBD + CBDa + CBG + CBGa +$
 $THCV + THCVa + CBC + CBCa + CBDV + CBDVa + \Delta^8\text{-THC} + CBL + CBN +$
 $exo\text{-THC} + \Delta^8\text{-THCV} + \Delta^8\text{-iso-THC} + 9S\text{-HHC} + 9R\text{-HHC} + \Delta^{10}\text{-THC} +$
 $\Delta^9\text{-THC Acetate}$
 $Total\ Cannabinoids = (\Delta^9\text{-THC} + 0.877*THCa) + (CBD + 0.877*CBDa) +$
 $(CBG + 0.877*CBGa) + (THCV + 0.877*THCVa) + (CBC + 0.877*CBCa) +$
 $(CBDV + 0.877*CBDVa) + \Delta^8\text{-THC} + CBL + CBN + exo\text{-THC} + \Delta^8\text{-THCV} +$
 $\Delta^8\text{-iso-THC} + 9S\text{-HHC} + 9R\text{-HHC} + \Delta^{10}\text{-THC} + \Delta^9\text{-THC Acetate}$
TERPENOID ANALYSIS - SUMMARY

39 TESTED, TOP 3 HIGHLIGHTED

Total Terpenoids: 2.7627%


● **Limonene 9.227 mg/g**
● **β -Caryophyllene 6.757 mg/g**
● **Myrcene 2.873 mg/g**
SAFETY ANALYSIS - SUMMARY
 Δ^9 -THC per Unit: ✔ **PASS**

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: Kevin Flores
 Job Title: Senior Laboratory Analyst
 Date: 07/31/2023


 Approved by: Josh Wurzer
 Job Title: Chief Compliance Officer
 Date: 07/31/2023



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: 0.29%

Total THC (Δ^9 -THC+0.877*THCa)

TOTAL CBD: Not Detected

Total CBD (CBD+0.877*CBDA)

TOTAL CANNABINOIDS: 82.28%

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

CANNABINOID TEST RESULTS - 07/31/2023

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
Δ^8 -THC	0.1 / 0.4	±44.96	720.5	72.05
Δ^{10} -THC†	0.083 / 0.276	±1.4701	76.886	7.6886
Δ^9 -THC	0.06 / 0.26	±0.421	2.90	0.29
Δ^8 -THCV†	0.081 / 0.270	±0.0743	2.967	0.2967
CBN	0.1 / 0.3	±0.11	2.2	0.22
Δ^8 -iso-THC†	0.053 / 0.176	±0.0313	2.011	0.2011
exo-THC†	0.116 / 0.386	±0.0399	1.308	0.1308
9R-HHC†	0.116 / 0.388	±0.0319	1.263	0.1263
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
CBC	0.2 / 0.5	N/A	ND	ND
CBCa	0.07 / 0.28	N/A	ND	ND
9S-HHC†	0.056 / 0.186	N/A	ND	ND
Δ^9 -THC Acetate†	0.091 / 0.305	N/A	ND	ND
SUM OF CANNABINOIDS			810 mg/g	81.00%

Unit Mass: 2 grams per Unit / Serving Size: 2 grams per Serving

Δ^9 -THC per Unit	1100 per-package limit	5.80 mg/unit	PASS
Δ^9 -THC per Serving		5.80 mg/serving	
Total THC per Unit		5.80 mg/unit	
Total THC per Serving		5.80 mg/serving	
CBD per Unit		ND	
CBD per Serving		ND	
Total CBD per Unit		ND	
Total CBD per Serving		ND	
Sum of Cannabinoids per Unit		1620 mg/unit	
Sum of Cannabinoids per Serving		1620 mg/serving	
Total Cannabinoids per Unit		1620 mg/unit	
Total Cannabinoids per Serving		1620 mg/serving	



Terpenoid Analysis

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

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

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 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 CB₂ receptor agonist. Found in black pepper, clove, hops, rosemary, black-jack, perilla, spicebush, Indian pennywort, celery, frankincense, vitex, parsley, marigold, tamarind...etc.

3 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.

TERPENOID TEST RESULTS - 07/30/2023

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
Limonene	0.005 / 0.016	±0.1024	9.227	0.9227
β-Caryophyllene	0.004 / 0.012	±0.1872	6.757	0.6757
Myrcene	0.008 / 0.025	±0.0287	2.873	0.2873
Linalool	0.009 / 0.032	±0.0800	2.703	0.2703
α-Humulene	0.009 / 0.029	±0.0340	1.360	0.1360
α-Pinene	0.005 / 0.017	±0.0063	0.933	0.0933
β-Pinene	0.004 / 0.014	±0.0079	0.883	0.0883
Fenchol	0.010 / 0.034	±0.0191	0.634	0.0634
Terpineol	0.009 / 0.031	±0.0285	0.596	0.0596
β-Ocimene	0.006 / 0.020	±0.0067	0.269	0.0269
α-Bisabolol	0.008 / 0.026	±0.0072	0.173	0.0173
α-Phellandrene	0.006 / 0.020	±0.0018	0.172	0.0172
Caryophyllene Oxide	0.010 / 0.033	±0.0051	0.143	0.0143
p-Cymene	0.005 / 0.016	±0.0027	0.127	0.0127
α-Cedrene	0.005 / 0.016	±0.0029	0.126	0.0126
Citronellol	0.003 / 0.010	±0.0047	0.124	0.0124
Camphene	0.005 / 0.015	±0.0008	0.092	0.0092
Geraniol	0.002 / 0.007	±0.0027	0.080	0.0080
Borneol	0.005 / 0.016	±0.0023	0.071	0.0071
Terpinolene	0.008 / 0.026	±0.0009	0.058	0.0058
Nerolidol	0.006 / 0.019	±0.0022	0.044	0.0044
Valencene	0.009 / 0.030	±0.0021	0.039	0.0039
Isoborneol	0.004 / 0.012	±0.0012	0.038	0.0038
Δ ³ -Carene	0.005 / 0.018	±0.0004	0.035	0.0035
Sabinene	0.004 / 0.014	±0.0003	0.030	0.0030
γ-Terpinene	0.006 / 0.018	±0.0003	0.022	0.0022
α-Terpinene	0.005 / 0.017	±0.0002	0.018	0.0018
Sabinene Hydrate	0.006 / 0.022	N/A	<LOQ	<LOQ
Isopulegol	0.005 / 0.016	N/A	<LOQ	<LOQ
Geranyl Acetate	0.004 / 0.014	N/A	<LOQ	<LOQ
Eucalyptol	0.006 / 0.018	N/A	ND	ND
Fenchone	0.009 / 0.028	N/A	ND	ND
Camphor	0.006 / 0.019	N/A	ND	ND
Menthol	0.008 / 0.025	N/A	ND	ND
Nerol	0.003 / 0.011	N/A	ND	ND
Pulegone	0.003 / 0.011	N/A	ND	ND
trans-β-Farnesene	0.008 / 0.025	N/A	ND	ND
Guaiol	0.009 / 0.030	N/A	ND	ND
Cedrol	0.008 / 0.027	N/A	ND	ND
TOTAL TERPENOIDS			27.627 mg/g	2.7627%