

# **Hemp Quality Assurance Testing**

# **CERTIFICATE OF ANALYSIS**

**DATE ISSUED 03/07/2022** 

SAMPLE NAME: Two Hawk - Dreamcatcher Gummies

Infused, Hemp Infused

**CULTIVATOR / MANUFACTURER** 

Business Name: License Number:

Address:

SAMPLE DETAIL

**Batch Number:** 

Sample ID: 220304R009

**DISTRIBUTOR / TESTED FOR** 

Business Name: Erth, LLC

License Number:

Address:

**Date Collected:** 03/04/2022 **Date Received:** 03/04/2022

Batch Size:

Sample Size: 1.0 units

**Unit Mass:** 70.8399 grams per Unit **Serving Size:** 3.5419 grams per Serving









Scan QR code to verify authenticity of results.

#### **CANNABINOID ANALYSIS - SUMMARY**

Total THC: 16.010 mg/unit

Total CBD: <LOQ

Sum of Cannabinoids: 460.46 mg/unit

Total Cannabinoids: 460.67 mg/unit

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))

$$\label{eq:SumofCannabinoids} \begin{split} &Sum\ of\ Cannabinoids = \Delta^9\text{-THC} + \text{THCa} + \text{CBD} + \text{CBDa} + \text{CBG} + \text{CBGa} + \\ &THCV + \text{THCVa} + \text{CBC} + \text{CBCa} + \text{CBDV} + \text{CBDVa} + \Delta^8\text{-THC} + \text{CBL} + \text{CBN} \\ &Total\ Cannabinoids = (\Delta^9\text{-THC} + 0.877*\text{THCa}) + (\text{CBD} + 0.877*\text{CBDa}) + (\text{CBG} + 0.877*\text{CBGa}) + (\text{THCV} + 0.877*\text{THCVa}) + (\text{CBC} + 0.877*\text{CBCa}) + \\ &(\text{CBG} + 0.877*\text{CBGa}) + (\text{THCV} + 0.877*\text{THCVa}) + (\text{CBC} + 0.877*\text{CBCa}) + \\ &(\text{CBG} + 0.877*\text{CBGa}) + (\text{CBG} + 0.877*\text{CBCa}) + \\ &(\text{CBG} + 0.877*\text{CBGa}) + (\text{CBG} + 0.877*\text{CBCa}) + \\ &(\text{CBG} + 0.877*\text{CBGa}) + (\text{CBG} + 0.877*\text{CBCa}) + \\ &(\text{CBG} + 0.877*\text{CBGa}) + (\text{CBG} + 0.877*\text{CBCa}) + \\ &(\text{CBG} + 0.877*\text{CBGa}) + (\text{CBG} + 0.877*\text{CBCa}) + \\ &(\text{CBG} + 0.877*\text{CBGa}) + (\text{CBG} + 0.877*\text{CBGa}) + (\text{CBG} + 0.877*\text{CBGa}) + \\ &(\text{CBG} + 0.877*\text{CBGa}) + (\text{CBG} + 0.877*\text{CBG}) + (\text{CBG} + 0.877*$$

 $(CBDV+0.877*CBD3) + (THCV+0.877*THCV3) + \Delta^{8}-THC + CBL + CBN$ 

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: Action Limits used in this report are a compilation of guidance from state regulatory agencies in all states except Alaska. Action limits for required tests are the lower of any conflicting state regulations.

**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: Carmen Stackhouse Date: 03/07/2022 Approved by: Josh Wurzer, President Date: 03/07/2022



## **Hemp Quality Assurance Testing**

## **CERTIFICATE OF ANALYSIS**



TWO HAWK - DREAMCATCHER GUMMIES | DATE ISSUED 03/07/2022



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

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

TOTAL THC: 16.010 mg/unit

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

TOTAL CBD: <LOQ
Total CBD (CBD+0.877\*CBDa)

TOTAL CANNABINOIDS: 460.67 mg/unit

 $\begin{array}{l} Total \ Cannabinoids \ (Total \ THC) + (Total \ CBD) + \\ (Total \ CBG) + (Total \ THCV) + (Total \ CBC) + \\ (Total \ CBDV) + \Delta^8 - THC + CBL + CBN \end{array}$ 

TOTAL CBG: 0.638 mg/unit

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 - 03/06/2022**

	COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
	∆ <sup>8</sup> -THC	0.01 / 0.02	±0.248	5.03	0.503
	CBN	0.001 / 0.007	±0.0355	1.238	0.1238
	∆ <sup>9</sup> -THC	0.002 / 0.014	±0.0124	0.226	0.0226
	CBG	0.002 / 0.006	±0.0004	0.009	0.0009
	CBD	0.004 / 0.011	N/A	<loq< th=""><th><loq< th=""></loq<></th></loq<>	<loq< th=""></loq<>
	CBDa	0.001 / 0.026	N/A	<loq< th=""><th><loq< th=""></loq<></th></loq<>	<loq< th=""></loq<>
	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
	CBDV	0.002 / 0.012	N/A	ND	ND
	CBDVa	0.001 / 0.018	N/A	ND	ND
	CBGa	0.002 / 0.007	N/A	ND	ND
	CBL	0.003 / 0.010	N/A	ND	ND
	СВС	0.003 / 0.010	N/A	ND	ND
	CBCa	0.001 / 0.015	N/A	ND	ND
SUM OF CANNABINOIDS			6.50 mg/g	0.65%	

### Unit Mass: 70.8399 grams per Unit / Serving Size: 3.5419 grams per Serving

$\Delta^9$ -THC per Unit	16.010 mg/unit
$\Delta^9$ -THC per Serving	0.800 mg/serving
Total THC per Unit	16.010 mg/unit
Total THC per Serving	0.800 mg/serving
CBD per Unit	<loq< td=""></loq<>
CBD per Serving	<loq< td=""></loq<>
Total CBD per Unit	<loq< td=""></loq<>
Total CBD per Serving	<loq< td=""></loq<>
Sum of Cannabinoids per Unit	460.46 mg/unit
Sum of Cannabinoids per Serving	23.02 mg/serving
Total Cannabinoids per Unit	460.67 mg/unit
Total Cannabinoids per Serving	23.04 mg/serving