



# Hemp Quality Assurance Testing CERTIFICATE OF ANALYSIS

DATE ISSUED 06/12/2024

## SAMPLE NAME: Alien Hallucination

Flower, Hemp

CULTIVATOR / MANUFACTURER

DISTRIBUTOR / TESTED FOR

## SAMPLE DETAIL

Batch Number:

Sample ID: 240227S006

Date Collected: 06/06/2024

Date Received: 06/06/2024

Batch Size:

Sample Size:

Unit Mass:

Serving Size:

## CANNABINOID ANALYSIS - SUMMARY

## CALCULATED USING DRY-WEIGHT

Total THC: 29.37%

Total CBD: 0.123%

Sum of Cannabinoids: 31.56%

Total Cannabinoids: 29.72%

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

Moisture: 77.8%

## SAFETY ANALYSIS - SUMMARY

Pesticides: ND

Heavy Metals: 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.

Approved by: Josh Wurzer Job  
Title: Chief Compliance Officer  
Date: 06/12/2024

References: limit of detection (LOD), limit of quantification (LOQ), not detected (ND), not tested (NT)

Amendment to Certificate of Analysis 240227S005-005

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**Cannabinoid Analysis**

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

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

**TOTAL THC: 29.37%**

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

**TOTAL CBD: 0.123%**

Total CBD (CBD+0.877\*CBDA)

**TOTAL CANNABINOIDS: 29.72%**

Total Cannabinoids (Total THC) + (Total CBD) + (Total CBG) + (Total THCV) + (Total CBC) + (Total CBDV) +  $\Delta^8$ -THC + CBL + CBN

**TOTAL CBG: 0.87%**

Total CBG (CBG+0.877\*CBGa)

**TOTAL THCV: <LOQ**

Total THCV (THCV+0.877\*THCVa)

**TOTAL CBC: 0.36%**

Total CBC (CBC+0.877\*CBCa)

**TOTAL CBDV: ND**

Total CBDV (CBDV+0.877\*CBDVa)

**CANNABINOID TEST RESULTS - 06/11/2024**

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
THCa	0.04 / 0.24	±9.52	296.6	29.66
CBGa	0.1 / 0.4	2	20.9	2.09
CBCa	0.1 / 0.4	±0.53	4.1	0.41
$\Delta^9$ -THC	0.01 / 0.04	NA	<LOQ	<LOQ
CBDA	0.1 / 0.4	±0.11	1.40	0.140
THCVa	0.05 / 0.17	±0.04	<LOQ	<LOQ
$\Delta^8$ -THC	0.05 / 0.50	6 N/A	ND	ND
THCV	0.07 / 0.21	N/A	ND	ND
CBD	0.1 / 0.3	N/A	ND	ND
CBDV	0.1 / 0.3	N/A	ND	ND
CBDVa	0.02 / 0.22	N/A	ND	ND
CBG	0.2 / 0.5	N/A	ND	ND
CBL	0.1 / 0.4	N/A	ND	ND
CBN	0.07 / 0.20	N/A	ND	ND
CBC	0.1 / 0.2	N/A	ND	ND
<b>SUM OF CANNABINOIDS</b>		N/A	<b>315.6</b>	<b>31.56%</b>

**MOISTURE TEST RESULT**

77.8% Tested 06/08/2024

Method: QSP 1224 - Loss on Drying (Moisture)



**Pesticide Analysis**

Pesticide and plant growth regulator analysis utilizing high-performance liquid chromatography-mass spectrometry (HPLC-MS) or gas chromatography-mass spectrometry (GC-MS).

\*GC-MS utilized where indicated.

Method: QSP 1212 - Analysis of Pesticides and Mycotoxins by LC-MS or QSP 1213 - Analysis of Pesticides by GC-MS

**PESTICIDE TEST RESULTS - 06/11/2024 ND**

COMPOUND	LOD/LOQ (µg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (µg/g)
Abamectin	0.03 / 0.10	N/A	ND
Azoxystrobin	0.02 / 0.07	N/A	ND
Bifenazate	0.01 / 0.04	N/A	ND
Bifenthrin	0.02 / 0.05	N/A	ND
Boscalid	0.03 / 0.09	N/A	ND
Chlorpyrifos	0.02 / 0.06	N/A	ND
Cypermethrin	0.11 / 0.32	N/A	ND
Etoxazole	0.02 / 0.06	N/A	ND
Hexythiazox	0.02 / 0.07	N/A	ND
Imidacloprid	0.04 / 0.11	N/A	ND

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**Pesticide Analysis** *Continued*

**PESTICIDE TEST RESULTS - 06/11/2024 continued ND**

COMPOUND	LOD/LOQ (µg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (µg/g)
Malathion	0.03 / 0.09	N/A	ND
Myclobutanil	0.03 / 0.09	N/A	ND
Permethrin	0.04 / 0.12	N/A	ND
Piperonyl Butoxide	0.02 / 0.07	N/A	ND
Propiconazole	0.02 / 0.07	N/A	ND
Spiromesifen	0.02 / 0.05	N/A	ND
Tebuconazole	0.02 / 0.07	N/A	ND
Trifloxystrobin	0.03 / 0.08	N/A	ND



**Heavy Metals Analysis**

**HEAVY METALS TEST RESULTS - 06/11/2024 PASS**

COMPOUND	LOD/LOQ (µg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (µg/g)
Arsenic	0.02 / 0.1	N/A	<LOQ
Cadmium	0.02 / 0.05	N/A	<LOQ
Lead	0.04 / 0.1	N/A	ND
Mercury	0.002 / 0.01	N/A	ND

Heavy metal analysis utilizing inductively coupled plasma-mass spectrometry (ICP-MS).  
 Method: QSP 1160 - Analysis of Heavy Metals by ICP-MS

**NOTES**

Reason for Amendment: Order Detail Information Change