

# Hemp Quality Assurance Testing CERTIFICATE OF ANALYSIS

DATE ISSUED 01/16/2025

#### **SAMPLE DETAILS**

SAMPLE NAME: Erth Wellness - Pineapple Express - 300mg

Infused, Hemp

**CULTIVATOR / MANUFACTURER** 

Business Name: License Number: Address:

SAMPLE DETAIL

Batch Number:

**Sample ID:** 250109L010

**DISTRIBUTOR / TESTED FOR** 

Business Name: Erth, LLC

License Number:

Address: CA

**Date Collected:** 01/09/2025 **Date Received:** 01/09/2025

Batch Size:

Sample Size: 1.0 units

Unit Mass: 105 grams per Unit Serving Size: 3.5 grams per Serving





Scan QR code to verify authenticity of results.

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

Total THC: 294.105 mg/unit

Total CBD: 3.990 mg/unit

Sum of Cannabinoids: 315.00 mg/unit

Total Cannabinoids: 315.00 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))

Sum of Cannabinoids =  $\Delta^9$ -THC + THCa + CBD + CBDa + CBG + CBGa + THCV + THCVa + CBC + CBCa + CBDV + CBDVa +  $\Delta^8$ -THC + CBL + CBN Total Cannabinoids =  $(\Delta^9$ -THC+0.877\*THCa) + (CBD+0.877\*CBDa) + (CBG+0.877\*CBGa) + (THCV+0.877\*THCVa) + (CBC+0.877\*CBCa) +

(CBDV+0.877\*CBDVa) +  $\Delta^8$ -THC + CBL + CBN

#### SAFETY ANALYSIS - SUMMARY

Pesticides: ND Mycotoxins: ND Residual Solvents: ND

 Heavy Metals: ND

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.

References: limit of detection (LOD), limit of quantification (LOQ), not detected (ND), not tested (NT), ug/g = ppm, ug/kg = ppb

LQC verified by: Josh Antunovich Job Title: Laboratory Director Date: 01/16/2025 Approved by: Josh Wurzer
Job Title: Chief Compliance Officer
Date: 01/16/2025

Amendment to Certificate of Analysis 250109L010-001



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## Cannabinoid Analysis

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

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

TOTAL THC: 294.105 mg/unit

Total THC (Δ<sup>9</sup>-THC+0.877\*THCa)

TOTAL CBD: 3.990 mg/unit

Total CBD (CBD+0.877\*CBDa)

TOTAL CANNABINOIDS: 315.00 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: 1.050 mg/unit

Total CBG (CBG+0.877\*CBGa)

TOTAL THCV: 1.890 mg/unit

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 - 01/11/2025**

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
Δ <sup>9</sup> -THC	0.002 / 0.014	±0.1538	2.801	0.2801
$\Delta^8$ -THC	0.01 / 0.02	±0.005	0.11	0.011
CBD	0.004 / 0.011	±0.0014	0.038	0.0038
CBN	0.001 / 0.007	±0.0006	0.021	0.0021
THCV	0.002 / 0.012	±0.0009	0.018	0.0018
CBG	0.002 / 0.006	±0.0005	0.010	0.0010
THCa	0.001 / 0.005	N/A	ND	ND
THCVa	0.002 / 0.019	N/A	ND	ND
CBDa	0.001 / 0.026	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 CANNA	BINOIDS	_	3.00 mg/g	0.30%

#### Unit Mass: 105 grams per Unit / Serving Size: 3.5 grams per Serving

$\Delta^9$ -THC per Unit	294.105 mg/unit
$\Delta^9$ -THC per Serving	9.804 mg/serving
Total THC per Unit	294.105 mg/unit
Total THC per Serving	9.804 mg/serving
CBD per Unit	3.990 mg/unit
CBD per Serving	0.133 mg/serving
Total CBD per Unit	3.990 mg/unit
Total CBD per Serving	0.133 mg/serving
Sum of Cannabinoids per Unit	315.00 mg/unit
Sum of Cannabinoids per Serving	10.50 mg/serving
Total Cannabinoids per Unit	315.00 mg/unit
Total Cannabinoids per Serving	10.50 mg/serving



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### **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 - 01/14/2025 ND

Abamectin         0.03/0.10         N/A         ND           Acephate         0.02/0.07         N/A         ND           Acequinocyl         0.02/0.07         N/A         ND           Acetamiprid         0.02/0.05         N/A         ND           Aldicarb         0.03/0.08         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           Captan         0.19/0.57         N/A         ND	
Acequinocyl         0.02 / 0.07         N/A         ND           Acetamiprid         0.02 / 0.05         N/A         ND           Aldicarb         0.03 / 0.08         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	
Acetamiprid         0.02 / 0.05         N/A         ND           Aldicarb         0.03 / 0.08         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	
Aldicarb         0.03 / 0.08         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	
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	
Bifenazate         0.01/0.04         N/A         ND           Bifenthrin         0.02/0.05         N/A         ND           Boscalid         0.03/0.09         N/A         ND	
Bifenthrin         0.02 / 0.05         N/A         ND           Boscalid         0.03 / 0.09         N/A         ND	
Boscalid 0.03 / 0.09 N/A ND	
<b>Captan</b> 0.19 / 0.57 N/A <b>ND</b>	
Carbaryl         0.02 / 0.06         N/A         ND	
Carbofuran         0.02 / 0.05         N/A         ND	
Chlorantraniliprole 0.04 / 0.12 N/A ND	
Chlordane*         0.03 / 0.08         N/A         ND	
Chlorfenapyr*         0.03 / 0.10         N/A         ND	
Chlorpyrifos         0.02 / 0.06         N/A         ND	
Clofentezine         0.03 / 0.09         N/A         ND	
Coumaphos         0.02 / 0.07         N/A         ND	
Cyfluthrin         0.12 / 0.38         N/A         ND	
Cypermethrin         0.11 / 0.32         N/A         ND	
Daminozide         0.02 / 0.07         N/A         ND	
Diazinon         0.02 / 0.05         N/A         ND	
Dichlorvos (DDVP)         0.03 / 0.09         N/A         ND	
Dimethoate         0.03 / 0.08         N/A         ND	
Dimethomorph         0.03 / 0.09         N/A         ND	
Ethoprophos         0.03 / 0.10         N/A         ND	
Etofenprox         0.02 / 0.06         N/A         ND	
Etoxazole         0.02 / 0.06         N/A         ND	
Fenhexamid         0.03 / 0.09         N/A         ND	
Fenoxycarb         0.03 / 0.08         N/A         ND	
Fenpyroximate         0.02 / 0.06         N/A         ND	
Fipronil         0.03 / 0.08         N/A         ND	
Flonicamid         0.03 / 0.10         N/A         ND	
Fludioxonil         0.03 / 0.10         N/A         ND	
Hexythiazox         0.02 / 0.07         N/A         ND	
Imazalil 0.02 / 0.06 N/A ND	
Imidacloprid         0.04 / 0.11         N/A         ND	
Kresoxim-methyl         0.02 / 0.07         N/A         ND	
Malathion         0.03 / 0.09         N/A         ND	
Metalaxyl         0.02 / 0.07         N/A         ND	
Methiocarb         0.02 / 0.07         N/A         ND	

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### Pesticide Analysis Continued

#### PESTICIDE TEST RESULTS - 01/14/2025 continued ND

COMPOUND	LOD/LOQ (μg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (μg/g)
Methomyl	0.03 / 0.10	N/A	ND
Mevinphos	0.03 / 0.09	N/A	ND
Myclobutanil	0.03 / 0.09	N/A	ND
Naled	0.02 / 0.07	N/A	ND
Oxamyl	0.04 / 0.11	N/A	ND
Paclobutrazol	0.02 / 0.05	N/A	ND
Parathion-methyl	0.03 / 0.10	N/A	ND
Pentachloronitro- benzene (Quintozene)*	0.03 / 0.09	N/A	ND
Permethrin	0.04 / 0.12	N/A	ND
Phosmet	0.03 / 0.10	N/A	ND
Piperonyl Butoxide	0.02 / 0.07	N/A	ND
Prallethrin	0.03 / 0.08	N/A	ND
Propiconazole	0.02 / 0.07	N/A	ND
Propoxur	0.03 / 0.09	N/A	ND
Pyrethrins	0.04 / 0.12	N/A	ND
Pyridaben	0.02 / 0.07	N/A	ND
Spinetoram	0.02 / 0.07	N/A	ND
Spinosad	0.02 / 0.07	N/A	ND
Spiromesifen	0.02 / 0.05	N/A	ND
Spirotetramat	0.02 / 0.06	N/A	ND
Spiroxamine	0.03 / 0.08	N/A	ND
Tebuconazole	0.02 / 0.07	N/A	ND
Thiacloprid	0.03 / 0.10	N/A	ND
Thiamethoxam	0.03 / 0.10	N/A	ND
Trifloxystrobin	0.03 / 0.08	N/A	ND



## **Mycotoxin Analysis**

Mycotoxin analysis utilizing high-performance liquid chromatography-mass spectrometry (HPLC-MS).

**Method:** QSP 1212 - Analysis of Pesticides and Mycotoxins by

#### MYCOTOXIN TEST RESULTS - 01/14/2025 ND

COMPOUND	LOD/LOQ (µg/kg)	MEASUREMENT UNCERTAINTY (μg/kg)	RESULT (µg/kg)
Aflatoxin B1	2.0 / 6.0	N/A	ND
Aflatoxin B2	1.8 / 5.6	N/A	ND
Aflatoxin G1	1.0 / 3.1	N/A	ND
Aflatoxin G2	1.2 / 3.5	N/A	ND
Ochratoxin A	6.3 / 19.2	N/A	ND
Total Aflatoxin			ND



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## **Residual Solvents Analysis**

Residual Solvent analysis utilizing gas chromatography-mass spectrometry (GC-MS).

Method: QSP 1204 - Analysis of Residual Solvents by GC-MS

#### **RESIDUAL SOLVENTS TEST RESULTS - 01/14/2025 ND**

COMPOUND	LOD/LOQ (µg/g)	MEASUREMENT UNCERTAINTY (μg/g)	RESULT (µg/g)
Propane	10/20	N/A	ND
n-Butane	10/50	N/A	ND
n-Pentane	20/50	N/A	ND
n-Hexane	2/5	N/A	ND
n-Heptane	20/60	N/A	ND
Benzene	0.03 / 0.09	N/A	ND
Toluene	7/21	N/A	ND
Total Xylenes	50 / 160	N/A	ND
Methanol	50/200	N/A	ND
Ethanol	20/50	N/A	ND
2-Propanol (Isopropyl Alcohol)	10 / 40	N/A	ND
Acetone	20/50	N/A	ND
Ethyl Ether	20/50	N/A	ND
Ethylene Oxide	0.3 / 0.8	N/A	ND
Ethyl Acetate	20/60	N/A	ND
Chloroform	0.1/0.2	N/A	ND
Dichloromethane (Methylene Chloride)	0.3 / 0.9	N/A	ND
Trichloroethylene	0.1/0.3	N/A	ND
1,2-Dichloroethane	0.05 / 0.1	N/A	ND
Acetonitrile	2/7	N/A	ND



## **Heavy Metals Analysis**

Heavy metal analysis utilizing inductively coupled plasma-mass spectrometry (ICP-MS).

Method: QSP 1160 - Analysis of Heavy Metals by ICP-MS

#### HEAVY METALS TEST RESULTS - 01/15/2025 ND

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



## **Microbiology Analysis**

PCF

Analysis conducted by polymerase chain reaction (PCR) and fluorescence detection of microbiological contaminants.

Method: QSP 1221 - Analysis of Microbiological Contaminants

#### MICROBIOLOGY TEST RESULTS (PCR) - 01/16/2025 ND

COMPOUND		RESULT
Salmonella spp.		ND
Shiga toxin-producing Esche	richia coli	ND





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# Foreign MaterialAnalysis

Visual analysis includes, but is not limited to, sand, soil, cinders, dirt, mold, hair, insect fragments, and mammalian excreta.

Method: QSP 1226 - Analysis of Foreign Material in Cannabis and Cannabis Products

#### FOREIGN MATERIAL TEST RESULTS - 01/14/2025 OPASS

COMPOUND	ACTION LIMIT	RESULT	RESULT
Hair Count	> 1 per 3 grams	0.0	PASS
Insect Fragment Count	> 1 per 3 grams	0.0	PASS
Mammalian Excreta Count	> 1 per 3 grams	0.0	PASS
Total Sample Area Covered by an Imbedded Foreign Material	>25%	None	PASS
Total Sample Area Covered by Mold	>25%	None	PASS
Total Sample Area Covered by Sand, Soil, Cinders, or Dirt	>25%	None	PASS



## Water Activity Analysis

Method: QSP 1227 - Analysis of Water Activity in Cannabis and Cannabis Products

#### WATER ACTIVITY TEST RESULTS - 01/14/2025 DETECTED

COMPOUND	LOD/LOQ (Aw)	MEASUREMENT UNCERTAINTY (Aw)	RESULT (Aw)
Water Activity	0.030 / 0.15	±0.035	0.71

#### **NOTES**

Reason for Amendment: Add/Remove Test(s)