

CERTIFICATE OF ANALYSIS
| HEMP QUALITY ASSURANCE TEST

Sample Name:

**Erth Wellness -
Jack Herer -
300mg**

Infused, Hemp

Date Issued:

01/16/2025

(https://sclaboratories.s3.us-west-1.amazonaws.com/sample_photos/2501)

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Serving Size:

3.5 grams**Sample Details**

Sample ID: 250106L010

Batch Number:

[Show More](#)**Cultivator / Manufacturer**[Show Details](#)**Distributor / Tested For**[Show Details](#)

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Cannabinoid Analysis – Summary

[View Full Results](#)

Total THC: **288.645 mg/unit**

Total CBD: **6.195 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 = $\Delta^9\text{-THC} + (\text{THCa} (0.877))$

Total CBD = $\text{CBD} + (\text{CBDa} (0.877))$

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

Why are Sum of Cannabinoids and Total Cannabinoids calculated separately? 

Safety Analysis – Summary

[View Full Results](#)

Pesticides: **ND**

Mycotoxins: **ND**

Residual Solvents: **ND**

Heavy Metals: **ND**

Microbiology (PCR): **ND**

Foreign Material: **Pass**

Water Activity: **Detected**

View Complete Test Results:

Collapse All

 | Cannabinoid Analysis **Tested** [Show Le](#)

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

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

Summary

Total THC:
288.645 mg/unit
($\Delta^9\text{-THC} + 0.877 \cdot \text{THC}\alpha$)

Total CBD:
6.195 mg/unit
($\text{CBD} + 0.877 \cdot \text{CBD}\alpha$)

Total Cannabinoids: ?

315.00 mg/unit

Total CBG: <LOQ
Total CBG (CBG+0.877*CBGa)

Total THCV: 3.675 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)

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.

Cannabinoid Test Results | 01/09/2025

Result Views

Table Pie Chart

Filter by:

Swipe left on table to see additional columns

Compound	LOD/LOQ (mg/g) ?	Measurement Uncertainty (mg/g) ?	Result (mg/g)	Result (%)
Δ9 Tetrahydrocannabinol (Δ9THC)	0.002 / 0.014	±0.1509	2.749	0.2749
Δ8 Tetrahydrocannabinol (Δ8THC)	0.01 / 0.02	±0.007	0.14	0.014
Cannabidiol (CBD)	0.004 / 0.011	±0.0022	0.059	0.0059
Tetrahydrocannabivarin (THCV)	0.002 / 0.012	±0.0017	0.035	0.0035
Cannabinol (CBN)	0.001 / 0.007	±0.0004	0.015	0.0015
Cannabigerol (CBG)	0.002 / 0.006	N/A	<LOQ	<LOQ
Cannabichromene (CBC)	0.003 / 0.010	N/A	ND	ND
Cannabicyclol (CBL)	0.003 / 0.010	N/A	ND	ND
Cannabichromenic Acid (CBCa)	0.001 / 0.015	N/A	ND	ND
Cannabidivarin (CBDV)	0.002 / 0.012	N/A	ND	ND
Cannabidiolic Acid (CBDa)	0.001 / 0.026	N/A	ND	ND
Cannabigerolic Acid (CBGa)	0.002 / 0.007	N/A	ND	ND
SUM OF CANNABINOIDS			3.00 mg/g	0.30%

Compound	LOD/LOQ (mg/g) ?	Measurement Uncertainty (mg/g) ?	Result (mg/g)	Result (%)
Tetrahydrocannabinolic Acid (THCa)	0.001 / 0.005	N/A	ND	ND
Cannabidivarinic Acid (CBDVa)	0.001 / 0.018	N/A	ND	ND
Tetrahydrocannabivarinic Acid (THCVa)	0.002 / 0.019	N/A	ND	ND
SUM OF CANNABINOIDS			3.00 mg/g	0.30%

Unit Mass: 105 GRAMS / Serving Size: 3.5 GRAMS

Swipe left on table to see additional columns

Δ^9 -THC per Unit	288.645 mg/unit
Δ^9 -THC per Serving	9.622 mg/serving
Total THC per Unit	288.645 mg/unit
Total THC Per Serving	9.622 mg/serving
CBD per Unit	6.195 mg/unit
CBD per Serving	0.207 mg/serving
Total CBD per Unit	6.195 mg/unit
Total CBD per Serving	0.207 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

Pesticide Analysis

ND

Show Le

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

Filter by:

Swipe left on table to see additional columns

Compound	LOD/LOQ (µg/g) ⓘ	Measurement Uncertainty (µg/g) ⓘ	Result (µg/g)
Aldicarb	0.03 / 0.08	N/A	ND
Carbofuran	0.02 / 0.05	N/A	ND
Chlordane*	0.03 / 0.08	N/A	ND

Compound	LOD/LOQ (µg/g) ②	Measurement Uncertainty (µg/g) ②	Result (µg/g)
Chlorfenapyr*	0.03 / 0.10	N/A	ND
Chlorpyrifos	0.02 / 0.06	N/A	ND
Coumaphos	0.02 / 0.07	N/A	ND
Daminozide	0.02 / 0.07	N/A	ND
Dichlorvos (DDVP)	0.03 / 0.09	N/A	ND
Dimethoate	0.03 / 0.08	N/A	ND
Ethoprophos	0.03 / 0.10	N/A	ND
Etofenprox	0.02 / 0.06	N/A	ND
Fenoxycarb	0.03 / 0.08	N/A	ND
Fipronil	0.03 / 0.08	N/A	ND
Imazalil	0.02 / 0.06	N/A	ND
Methiocarb	0.02 / 0.07	N/A	ND
Mevinphos	0.03 / 0.09	N/A	ND
Paclobutrazol	0.02 / 0.05	N/A	ND

Compound	LOD/LOQ (µg/g) ②	Measurement Uncertainty (µg/g) ②	Result (µg/g)
Parathion-methyl	0.03 / 0.10	N/A	ND
Propoxur	0.03 / 0.09	N/A	ND
Spiroxamine	0.03 / 0.08	N/A	ND
Thiacloprid	0.03 / 0.10	N/A	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
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
Carbaryl	0.02 / 0.06	N/A	ND
Chlorantraniliprole	0.04 / 0.12	N/A	ND

Compound	LOD/LOQ (µg/g) ②	Measurement Uncertainty (µg/g) ②	Result (µg/g)
Clofentezine	0.03 / 0.09	N/A	ND
Cyfluthrin	0.12 / 0.38	N/A	ND
Cypermethrin	0.11 / 0.32	N/A	ND
Diazinon	0.02 / 0.05	N/A	ND
Dimethomorph	0.03 / 0.09	N/A	ND
Etoxazole	0.02 / 0.06	N/A	ND
Fenhexamid	0.03 / 0.09	N/A	ND
Fenpyroximate	0.02 / 0.06	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
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

Compound	LOD/LOQ (µg/g) ②	Measurement Uncertainty (µg/g) ②	Result (µg/g)
Metalaxyl	0.02 / 0.07	N/A	ND
Methomyl	0.03 / 0.10	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
Pentachloronitrobenzene (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
Pyrethrins	0.04 / 0.12	N/A	ND
Pyridaben	0.02 / 0.07	N/A	ND
Spinetoram	0.02 / 0.07	N/A	ND

Compound	LOD/LOQ (µg/g) ⓘ	Measurement Uncertainty (µg/g) ⓘ	Result (µg/g)
Spinosad	0.02 / 0.07	N/A	ND
Spiromesifen	0.02 / 0.05	N/A	ND
Spirotetramat	0.02 / 0.06	N/A	ND
Tebuconazole	0.02 / 0.07	N/A	ND
Thiamethoxam	0.03 / 0.10	N/A	ND
Trifloxystrobin	0.03 / 0.08	N/A	ND



Mycotoxin Analysis

ND

Show Legend

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

Method: QSP 1212 – Analysis of Pesticides and Mycotoxins by LC-MS

Mycotoxin Test Results | 01/14/2025 | ND

Filter by:

Swipe left on table to see additional columns

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



Residual Solvents Analysis

ND

Show Legend

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

Filter by:

Swipe left on table to see additional columns

Compound	LOD/LOQ (µg/g) ⓘ	Measurement Uncertainty (µg/g) ⓘ	Result (µg/g)
1,2-Dichloroethane	0.05 / 0.1	N/A	ND

Compound	LOD/LOQ (µg/g) ②	Measurement Uncertainty (µg/g) ②	Result (µg/g)
Benzene	0.03 / 0.09	N/A	ND
Chloroform	0.1 / 0.2	N/A	ND
Dichloromethane (Methylene Chloride)	0.3 / 0.9	N/A	ND
Ethylene Oxide	0.3 / 0.8	N/A	ND
Trichloroethylene	0.1 / 0.3	N/A	ND
2-Propanol (Isopropyl Alcohol)	10 / 40	N/A	ND
Acetone	20 / 50	N/A	ND
Acetonitrile	2 / 7	N/A	ND
Ethanol	20 / 50	N/A	ND
Ethyl Acetate	20 / 60	N/A	ND
Ethyl Ether	20 / 50	N/A	ND
Methanol	50 / 200	N/A	ND
n-Butane	10 / 50	N/A	ND
n-Heptane	20 / 60	N/A	ND
n-Hexane	2 / 5	N/A	ND
n-Pentane	20 / 50	N/A	ND
Propane	10 / 20	N/A	ND
Toluene	7 / 21	N/A	ND

Compound	LOD/LOQ (µg/g) ?	Measurement Uncertainty (µg/g) ?	Result (µg/g)
Total Xylenes	50 / 160	N/A	ND



Heavy Metals Analysis

ND

Show Legend

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

Filter by:

Swipe left on table to see additional columns

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

ND

Show Legend

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

Filter by:

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Compound	Result
<i>Salmonella</i> spp.	ND
Shiga toxin-producing <i>Escherichia coli</i>	ND



Foreign Material Analysis **Pass**

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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 | PASS

Filter by:

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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 Mold	>25%	None	Pass
Total Sample Area Covered by Sand, Soil, Cinders, or Dirt	>25%	None	Pass
Total Sample Area Covered by an Imbedded Foreign Material	>25%	None	Pass



Water Activity Analysis **Detected**

[Show Legend](#)

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

Water Activity Test Results | 01/14/2025 | DETECTED

Swipe left on table to see additional columns

Compound	LOD/LOQ (Aw) ?	Measurement Uncertainty (Aw) ?	Result (Aw)
Water Activity	0.030 / 0.15	±0.036	0.74

COA ID: 250106L010-002

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References: limit of detection (LOD), limit of quantification (LOQ), not detected (ND), not tested (NT), $\mu\text{g/g} = \text{ppm}$, $\mu\text{g/kg} = \text{ppb}$

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