

SAMPLE NAME: FGR-124 Liposome 1000mg-PO-0072-240088

Infused, Hemp

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

License Number:
Address:

CA


SAMPLE DETAIL
Batch Number: 240088

Sample ID: 240708M008

Date Collected: 07/08/2024

Date Received: 07/08/2024

Batch Size:
Sample Size: 1.0 units

Unit Mass: 100 milliliters per Unit

Serving Size: 0.5 milliliters per Serving


Scan QR code to verify authenticity of results.

CANNABINOID ANALYSIS - SUMMARY
Total THC: 14.000 mg/unit

Total CBD: 1209.100 mg/unit

Sum of Cannabinoids: 1257.900 mg/unit

Total Cannabinoids: 1257.900 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 = Δ^9 -THC + (THCa (0.877))

Total CBD = CBD + (CBDa (0.877))

 Sum of Cannabinoids = Δ^9 -THC + THCa + CBD + CBDa + CBG + CBGa +

 THCV + THCVa + CBC + CBCa + CBDV + CBDVa + Δ^8 -THC + CBL + CBN

 Total Cannabinoids = (Δ^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) + Δ^8 -THC + CBL + CBN

Density: 1.0533 g/mL

SAFETY ANALYSIS - SUMMARY
Pesticides: ND

Heavy Metals: ND

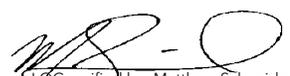
Mycotoxins: ND

Microbiology (PCR): ND

Residual Solvents: DETECTED

Microbiology (Plating): 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.


 LQC verified by: Matthew Schneider
 Job Title: Laboratory Analyst I
 Date: 07/13/2024


 Approved by: Josh Wurzer
 Job Title: Chief Compliance Officer
 Date: 07/13/2024

References: limit of detection (LOD), limit of quantification (LOQ), not detected (ND), not tested (NT), too numerous to count >250 cfu/plate (TNTC), colony-forming unit (cfu)




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

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

TOTAL THC: 14.000 mg/unit

Total THC (Δ^9 -THC+0.877*THCa)

TOTAL CBD: 1209.100 mg/unit

Total CBD (CBD+0.877*CBDa)

TOTAL CANNABINOIDS: 1257.900 mg/unit

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

TOTAL CBG: 4.400 mg/unit

Total CBG (CBG+0.877*CBGa)

TOTAL THCV: ND

Total THCV (THCV+0.877*THCVa)

TOTAL CBC: 18.200 mg/unit

Total CBC (CBC+0.877*CBCa)

TOTAL CBDV: 6.200 mg/unit

Total CBDV (CBDV+0.877*CBDVa)

CANNABINOID TEST RESULTS - 07/11/2024

COMPOUND	LOD/LOQ (mg/mL)	MEASUREMENT UNCERTAINTY (mg/mL)	RESULT (mg/mL)	RESULT (%)
CBD	0.004 / 0.011	±0.4510	12.091	1.1479
CBC	0.003 / 0.010	±0.0059	0.182	0.0173
Δ^9 -THC	0.002 / 0.014	±0.0077	0.140	0.0133
CBDV	0.002 / 0.012	±0.0025	0.062	0.0059
CBG	0.002 / 0.006	±0.0021	0.044	0.0042
CBN	0.001 / 0.007	±0.0009	0.032	0.0030
CBL	0.003 / 0.010	±0.0010	0.028	0.0027
Δ^8 -THC	0.01 / 0.02	N/A	ND	ND
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
CBDa	0.001 / 0.026	N/A	ND	ND
CBDVa	0.001 / 0.018	N/A	ND	ND
CBGa	0.002 / 0.007	N/A	ND	ND
CBCa	0.001 / 0.015	N/A	ND	ND
SUM OF CANNABINOIDS			12.579 mg/mL	1.1942%

Unit Mass: 100 milliliters per Unit / Serving Size: 0.5 milliliters per Serving

Δ^9 -THC per Unit	14.000 mg/unit
Δ^9 -THC per Serving	0.070 mg/serving
Total THC per Unit	14.000 mg/unit
Total THC per Serving	0.070 mg/serving
CBD per Unit	1209.100 mg/unit
CBD per Serving	6.046 mg/serving
Total CBD per Unit	1209.100 mg/unit
Total CBD per Serving	6.046 mg/serving
Sum of Cannabinoids per Unit	1257.900 mg/unit
Sum of Cannabinoids per Serving	6.290 mg/serving
Total Cannabinoids per Unit	1257.900 mg/unit
Total Cannabinoids per Serving	6.290 mg/serving

DENSITY TEST RESULT

1.0533 g/mL
Tested 07/11/2024
Method: QSP 7870 - Sample Preparation



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 - 07/10/2024 ND

COMPOUND	LOD/LOQ (µg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (µg/g)
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
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 - 07/10/2024 *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
Pentachloronitrobenzene*	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 TEST RESULTS - 07/10/2024 ND

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

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

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
Total Aflatoxin			ND
Ochratoxin A	6.3 / 19.2	N/A	ND



Residual Solvents Analysis

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

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

Total Butanes = n-Butane + 2-Methylpropane (Isobutane)
Total Heptanes = 2,2-Dimethylpentane (Neoheptane) + 2,3-Dimethylpentane + 2,4-Dimethylpentane + 3,3-Dimethylpentane + 2,2,3-Trimethylbutane (Triptane) + 2-Methylhexane (Isoheptane) + 3-Methylhexane + 3-Ethylpentane + n-Heptane
Total Xylenes = 1,2-Dimethylbenzene (o-Xylene) + 1,3-Dimethylbenzene (m-Xylene) / 1,4-Dimethylbenzene (p-Xylene)

RESIDUAL SOLVENTS TEST RESULTS - 07/13/2024 DETECTED

COMPOUND	LOD/LOQ (µg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (µg/g)
Propane	0.234 / 0.781	N/A	ND
2-Methylpropane (Isobutane)	0.052 / 0.173	N/A	ND
n-Butane	0.019 / 0.063	N/A	ND
Total Butanes			ND
n-Pentane	0.310 / 1.033	N/A	ND
n-Hexane	0.110 / 0.366	N/A	ND
2,2-Dimethylpentane (Neoheptane)	0.493 / 1.642	N/A	ND
2,3-Dimethylpentane	1.009 / 3.365	N/A	ND
2,4-Dimethylpentane	0.737 / 2.458	N/A	ND
3,3-Dimethylpentane	0.198 / 0.660	N/A	ND
2,2,3-Trimethylbutane (Triptane)	0.521 / 1.738	N/A	ND
2-Methylhexane (Isoheptane)	0.610 / 2.034	N/A	ND
3-Methylhexane	0.235 / 0.785	N/A	ND
3-Ethylpentane	0.304 / 1.012	N/A	ND
n-Heptane	13.12 / 43.72	N/A	ND
Total Heptanes			ND
Benzene	0.089 / 0.295	N/A	ND
Toluene	0.115 / 0.382	N/A	ND
1,3-Dimethylbenzene / 1,4-Dimethylbenzene	0.451 / 1.502	N/A	ND
1,2-Dimethylbenzene (o-Xylene)	0.387 / 1.289	N/A	ND
Total Xylenes			ND
Methanol	53.92 / 163.4	N/A	ND
Ethanol	8.984 / 27.23	±9.958	638.36
2-Propanol (Isopropyl Alcohol)	8.421 / 25.52	N/A	ND
Acetone	10.59 / 32.08	N/A	ND
Ethyl Acetate	1.123 / 3.745	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 - 07/11/2024 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

PCR AND PLATING

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

Method: QSP 1221 - Analysis of Microbiological Contaminants

Analysis conducted by 3M™ Petrifilm™ and plate counts of microbiological contaminants.

Method: QSP 6794 - Plating with 3M™ Petrifilm™

MICROBIOLOGY TEST RESULTS (PCR) - 07/11/2024 ND

COMPOUND	RESULT
Shiga toxin-producing <i>Escherichia coli</i>	ND
<i>Salmonella</i> spp.	ND

MICROBIOLOGY TEST RESULTS (PLATING) - 07/11/2024 ND

COMPOUND	RESULT (cfu/g)
Total Aerobic Bacteria	ND
Total Yeast and Mold	ND
Coliforms	ND