Hemp Quality Assurance Testing

CERTIFICATE OF ANALYSIS

DATE ISSUED 08/04/2021

SAMPLE NAME: Capsule - Soft Gel 1500mg

Infused, Hemp Infused

CULTIVATOR / MANUFACTURER

Business Name:
License Number:
Address:

DISTRIBUTOR / TESTED FOR

Business Name: CBDFX
License Number:
Address: 19851 Nordhoff Pl, #105
Chatsworth CA 91311

SAMPLE DETAIL

Batch Number: NESFG2.560
Sample ID: 210727T005

Date Collected: 07/27/2021
Date Received: 07/27/2021
Batch Size:
Sample Size: 1.0 units
Unit Mass: 46.32 grams per Unit
Serving Size: 0.772 grams per Serving

Scan QR code to verify authenticity of results.

CANNABINOID ANALYSIS - SUMMARY

Total THC: 19.130 mg/unit

Total CBD: 2210.020 mg/unit

Sum of Cannabinoids: 2333.972 mg/unit

Total Cannabinoids: 2333.972 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 = Δ9THC + (THCa (0.877))
Total CBD = CBD + (CBDa (0.877))
Sum of Cannabinoids = Δ9THC + THCa + CBD + CBDa + CBG + CBGa + THCV + THCVa + CBC + CBCa + CBDV + CBDVa + Δ8THC + CBL + CBN
Total Cannabinoids = (Δ9THC+0.877*THCa) + (CBD+0.877*CBDa) + (CBG+0.877*CBGa) + (THCV+0.877*THCVa) + (CBC+0.877*CBCa) + (CBDV+0.877*CBDVa) + Δ8THC + CBL + CBN

SAFETY ANALYSIS - SUMMARY

Pesticides: DETECTED

Heavy Metals: DETECTED

Mycotoxins: ND

Microbiology (PCR): ND

Residual Solvents: ND

Microbiology (Plating): ND

For quality assurance purposes. Not a Pre-Harvest 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. Action limits for required tests are either state-specific, or the lower of any conflicting state regulations based upon the panel requested.

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), too numerous to count >250 cfu/plate (TNTC), colony-forming unit (cfu)

LQC verified by: Josh Antunovich
Date: 08/04/2021

Approved by: Josh Wurzer, President
Date: 08/04/2021

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: 19.130 mg/unit
Total THC (Δ9THC+0.877*THCa)

TOTAL CBD: 2210.020 mg/unit
Total CBD (CBD+0.877*CBDa)

TOTAL CANNABINOIDS: 2333.972 mg/unit
Total Cannabinoids (Total THC) + (Total CBD) + (Total CBG) + (Total THCV) + (Total CBC) + (Total CBDV) + Δ8THC + CBL + CBN

TOTAL CBG: 69.758 mg/unit
Total CBG (CBG+0.877*CBGa)

TOTAL THCV: ND
Total THCV (THCV+0.877*THCVa)

TOTAL CBC: 20.010 mg/unit
Total CBC (CBC+0.877*CBCa)

TOTAL CBDV: 8.384 mg/unit
Total CBDV (CBDV+0.877*CBDVa)

CANNABINOID TEST RESULTS - 07/31/2021

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
CBD	*0.004 / 0.011*	*±2.2854*	47.712	4.7712
CBG	*0.002 / 0.006*	*±0.0937*	1.506	0.1506
CBC	*0.003 / 0.010*	*±0.0179*	0.432	0.0432
Δ9THC	*0.002 / 0.014*	*±0.0291*	0.413	0.0413
CBDV	*0.002 / 0.012*	*±0.0095*	0.181	0.0181
CBL	*0.003 / 0.010*	*±0.0043*	0.091	0.0091
CBN	*0.001 / 0.007*	*±0.0020*	0.053	0.0053
Δ8THC	*0.01 / 0.02*	*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
THCa	*0.001 / 0.005*	*N/A*	ND	ND
SUM OF CANNABINOIDS			50.388 mg/g	5.0388%

Unit Mass: 46.32 grams per Unit / Serving Size: 0.772 grams per Serving

Δ9THC per Unit	19.130 mg/unit
Δ9THC per Serving	0.319 mg/serving
Total THC per Unit	19.130 mg/unit
Total THC per Serving	0.319 mg/serving
CBD per Unit	2210.020 mg/unit
CBD per Serving	36.834 mg/serving
Total CBD per Unit	2210.020 mg/unit
Total CBD per Serving	36.834 mg/serving
Sum of Cannabinoids per Unit	2333.972 mg/unit
Sum of Cannabinoids per Serving	38.900 mg/serving
Total Cannabinoids per Unit	2333.972 mg/unit
Total Cannabinoids per Serving	38.901 mg/serving

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 - 08/01/2021 **DETECTED**

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (µg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (µg/g)
Abamectin	*0.03 / 0.10*	*0.07*	*N/A*	ND
Azoxystrobin	*0.01 / 0.04*	*0.01*	*N/A*	ND
Bifenazate	*0.01 / 0.02*	*0.01*	*N/A*	ND
Bifenthrin	*0.01 / 0.02*	*0.2*	*N/A*	ND
Boscalid	*0.02 / 0.06*	*0.01*	*N/A*	ND
Chlorpyrifos	*0.02 / 0.06*	*0.04*	*N/A*	ND
Cypermethrin	*0.1 / 0.3*	*0.3*	*N/A*	ND
Etoxazole	*0.010 / 0.028*	*0.01*	*N/A*	ND
Hexythiazox	*0.01 / 0.04*	*0.01*	*N/A*	ND
Imidacloprid	*0.01 / 0.04*	*0.01*	*N/A*	ND
Malathion	*0.02 / 0.05*	*0.02*	*N/A*	ND
Myclobutanil	*0.03 / 0.1*	*0.01*	*N/A*	ND
Permethrin	*0.03 / 0.09*	*0.04*	*N/A*	ND
Piperonylbutoxide	*0.003 / 0.009*	*0.2*	*N/A*	<LOQ
Propiconazole	*0.01 / 0.03*	*0.1*	*N/A*	ND
Spiromesifen	*0.02 / 0.05*	*0.03*	*N/A*	ND
Tebuconazole	*0.02 / 0.07*	*0.01*	*N/A*	ND
Trifloxystrobin	*0.01 / 0.03*	*0.02*	*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 LC-MS

MYCOTOXIN TEST RESULTS - 08/01/2021 **ND**

COMPOUND	LOD/LOQ (µg/kg)	ACTION LIMIT (µg/kg)	MEASUREMENT UNCERTAINTY (µg/kg)	RESULT (µg/kg)
Aflatoxin B1	*2.0 / 6.0*	*5*	*N/A*	ND
Aflatoxin B2	*1.8 / 5.6*	*20*	*N/A*	ND
Aflatoxin G1	*1.0 / 3.1*	*20*	*N/A*	ND
Aflatoxin G2	*1.2 / 3.5*	*20*	*N/A*	ND
Total Aflatoxin		*20*		ND
Ochratoxin A	*6.3 / 19.2*	*5*	*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

RESIDUAL SOLVENTS TEST RESULTS - 08/01/2021 **ND**

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (µg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (µg/g)
Propane	*10 / 20*	*5000*	*N/A*	ND
Butane	*10 / 50*	*5000*	*N/A*	ND
Pentane	*20 / 50*	*5000*	*N/A*	ND
Hexane	*2 / 5*	*290*	*N/A*	ND
Heptane	*20 / 60*	*5000*	*N/A*	ND
Benzene	*0.03 / 0.09*	*1*	*N/A*	ND
Toluene	*7 / 21*	*890*	*N/A*	ND
Total Xylenes	*50 / 160*	*2170*	*N/A*	ND
Methanol	*50 / 200*	*3000*	*N/A*	ND
Ethanol	*20 / 50*	*5000*	*N/A*	ND
Isopropyl Alcohol	*10 / 40*	*5000*	*N/A*	ND
Acetone	*20 / 50*	*5000*	*N/A*	ND
Ethyl ether	*20 / 50*	*5000*	*N/A*	ND
Ethylene Oxide	*0.3 / 0.8*	*1*	*N/A*	ND
Ethyl acetate	*20 / 60*	*5000*	*N/A*	ND
Chloroform	*0.1 / 0.2*	*1*	*N/A*	ND
Methylene chloride	*0.3 / 0.9*	*1*	*N/A*	ND
Trichloroethylene	*0.1 / 0.3*	*1*	*N/A*	ND
1,2-Dichloroethane	*0.05 / 0.1*	*1*	*N/A*	ND
Acetonitrile	*2 / 7*	*410*	*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 - 07/31/2021 **DETECTED**

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (µg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (µg/g)
Arsenic	*0.02 / 0.1*	*0.42*	*N/A*	<LOQ
Cadmium	*0.02 / 0.05*	*0.27*	*N/A*	ND
Lead	*0.04 / 0.1*	*0.5*	*N/A*	ND
Mercury	*0.002 / 0.01*	*0.4*	*N/A*	<LOQ

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

MICROBIOLOGY TEST RESULTS (PCR) - 08/03/2021 **ND**

COMPOUND	ACTION LIMIT (cfu/g)	RESULT (cfu/g)
Shiga toxin-producing *Escherichia coli*	*Not Detected in 1g*	ND
Salmonella spp.	*Not Detected in 1g*	ND
Bile-Tolerant Gram-Negative Bacteria	*100*	ND
Staphylococcus aureus	*Not Detected in 1g*	ND

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

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

MICROBIOLOGY TEST RESULTS (PLATING) - 08/03/2021 **ND**

COMPOUND	ACTION LIMIT (cfu/g)	RESULT (cfu/g)
Total Aerobic Bacteria	*100*	ND
Total Yeast and Mold	*10*	ND