Hemp Quality Assurance Testing

CERTIFICATE OF ANALYSIS

DATE ISSUED 03/02/2022

SAMPLE NAME: Pet Treats - Joint & Mobility 450mg

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: FF815-PTJM
Sample ID: 210903R018

Date Collected: 09/03/2021
Date Received: 09/03/2021
Batch Size:
Sample Size: 2.0 units
Unit Mass: 297 grams per Unit
Serving Size: 9.9 grams per Serving

Scan QR code to verify authenticity of results.

CANNABINOID ANALYSIS - SUMMARY

Total THC: Not Detected

Total CBD: 498.663 mg/unit

Sum of Cannabinoids: 656.370 mg/unit

Total Cannabinoids: 656.370 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

SAFETY ANALYSIS - SUMMARY

Pesticides: DETECTED

Heavy Metals: DETECTED

Mycotoxins: ND

Microbiology (PCR): ND

Residual Solvents: 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.

Sample Certification: Action Limits used in this report are a compilation of guidance from state regulatory agencies in all states except Alaska. Action limits for required tests are the lower of any conflicting state regulations.

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)

Approved by: Josh Wurzer, President
Date: 03/02/2022

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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: Not Detected
Total THC (Δ^9-THC+0.877*THCa)

TOTAL CBD: 498.663 mg/unit
Total CBD (CBD+0.877*CBDa)

TOTAL CANNABINOIDS: 656.370 mg/unit
Total Cannabinoids (Total THC) + (Total CBD) + (Total CBG) + (Total THCV) + (Total CBC) + (Total CBDV) + Δ^8-THC + CBL + CBN

TOTAL CBG: 157.707 mg/unit
Total CBG (CBG+0.877*CBGa)

TOTAL THCV: ND
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 - 09/05/2021

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
CBD	*0.004 / 0.011*	*±0.0804*	1.679	0.1679
CBG	*0.002 / 0.006*	*±0.0330*	0.531	0.0531
Δ^9-THC	*0.002 / 0.014*	*N/A*	ND	ND
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
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
CBN	*0.001 / 0.007*	*N/A*	ND	ND
CBC	*0.003 / 0.010*	*N/A*	ND	ND
CBCa	*0.001 / 0.015*	*N/A*	ND	ND
SUM OF CANNABINOIDS			2.210 mg/g	0.221%

Unit Mass: 297 grams per Unit / Serving Size: 9.9 grams per Serving

Δ^9-THC per Unit	ND
Δ^9-THC per Serving	ND
Total THC per Unit	ND
Total THC per Serving	ND
CBD per Unit	498.663 mg/unit
CBD per Serving	16.622 mg/serving
Total CBD per Unit	498.663 mg/unit
Total CBD per Serving	16.622 mg/serving
Sum of Cannabinoids per Unit	656.370 mg/unit
Sum of Cannabinoids per Serving	21.879 mg/serving
Total Cannabinoids per Unit	656.370 mg/unit
Total Cannabinoids per Serving	21.879 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 - 09/09/2021 **DETECTED**

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (µg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (µg/g)
Abamectin	0.03 / 0.10	0.3	N/A	ND
Azoxystrobin	0.01 / 0.04	40	N/A	ND
Bifenazate	0.01 / 0.02	5	N/A	ND
Bifenthrin	0.01 / 0.02	0.5	N/A	ND
Boscalid	0.02 / 0.06	10	N/A	ND
Chlorpyrifos	0.02 / 0.06	≥ LOD	N/A	ND
Cypermethrin	0.1 / 0.3	1	N/A	ND
Etoxazole	0.010 / 0.028	1.5	N/A	ND
Hexythiazox	0.01 / 0.04	2	N/A	ND
Imidacloprid	0.01 / 0.04	3	N/A	ND
Malathion	0.02 / 0.05	5	N/A	ND
Myclobutanil	0.03 / 0.1	9	N/A	ND
Permethrin	0.03 / 0.09	20	N/A	ND
Piperonyl Butoxide	0.003 / 0.009	8	N/A	<LOQ
Propiconazole	0.01 / 0.03	20	N/A	ND
Spiromesifen	0.02 / 0.05	12	N/A	ND
Tebuconazole	0.02 / 0.07	2	N/A	ND
Trifloxystrobin	0.01 / 0.03	30	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 - 09/08/2021 **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 - 09/09/2021 **ND**

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (µg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (µg/g)
Propane	10 / 20	5000	N/A	ND
n-Butane	10 / 50	5000	N/A	ND
n-Pentane	20 / 50	5000	N/A	ND
n-Hexane	2 / 5	290	N/A	ND
n-Heptane	20 / 60	5000	N/A	ND
Benzene	0.03 / 0.09	1	N/A	ND
Toluene	7 / 21	890	N/A	ND

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Residual Solvents Analysis
Continued

RESIDUAL SOLVENTS TEST RESULTS - 09/09/2021 *continued* **ND**

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (µg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (µg/g)
Total Xylenes	*50 / 160*	*2170*	*N/A*	ND
Methanol	*50 / 200*	*3000*	*N/A*	ND
Ethanol	*20 / 50*	*5000*	*N/A*	ND
2-Propanol (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
Dichloromethane (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 - 09/08/2021 **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*	<LOQ
Lead	*0.04 / 0.1*	*0.5*	*N/A*	ND
Mercury	*0.002 / 0.01*	*0.4*	*N/A*	ND

Microbiology Analysis

PCR

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

Method: QSP 1221 - Analysis of Microbiological Contaminants

MICROBIOLOGY TEST RESULTS (PCR) - 09/09/2021 **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

NOTES
CoA amended Update: Order Details

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