**KCA Laboratories** 232 North Plaza Drive Nicholasville, KY 40356

+1-833-KCA-LABS https://kcalabs.com KDA Lic.# P\_0058

1 of 1

#### Fish Scales

Sample ID: SA-220524-9444 Batch: FS-051622-003 Type: Finished Products Matrix: Concentrate - Distillate Unit Mass (g):

Received: 05/25/2022 Completed: 05/25/2022



Summary

**Test** Cannabinoids **Date Tested** 05/25/2022

Status Tested

**ND**Total Δ9-THC

**41.7** % (6aR,9R,10aR)-HHC

**73.4** %
Total Cannabinoids

**Not Tested**Moisture Content

**Not Tested**Foreign Matter

Yes
Internal Standard
Normalization

Cannabinoids by HPLC-PDA, LC-MS/MS, and/or GC-MS/MS

Analyte	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)
CBC	0.0095	0.0284	ND	ND
CBCA	0.0181	0.0543	ND	ND
CBCV	0.006	0.018	ND	ND
CBD	0.0081	0.0242	ND	ND
CBDA	0.0043	0.013	ND	ND
CBDV	0.0061	0.0182	ND	ND
CBDVA	0.0021	0.0063	ND	ND
CBG	0.0057	0.0172	ND	ND
CBGA	0.0049	0.0147	ND	ND
CBL	0.0112	0.0335	ND	ND
CBLA	0.0124	0.0371	ND	ND
CBN	0.0056	0.0169	ND	ND
CBNA	0.006	0.0181	ND	ND
Δ8-ΤΗС	0.0104	0.0312	ND	ND
Δ9-THC	0.0076	0.0227	ND	ND
Δ9-ΤΗCΑ	0.0084	0.0251	ND	ND
Δ9-THCV	0.0069	0.0206	ND	ND
Δ9-THCVA	0.0062	0.0186	ND	ND
(6aR,9R,10aR)-HHC	0.067	0.2	41.7	417
(6aR,9S,10aR)-HHC	0.067	0.2	31.8	318
Total Δ9-THC			ND	ND
Total CBD			ND	ND
Total			73.4	734

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; RL = Reporting Limit;  $\Delta$  = Delta; Total  $\Delta$ 9-THC =  $\Delta$ 9-THCA \* 0.877 +  $\Delta$ 9-THC; Total CBD = CBDA \* 0.877 + CBD;

Generated By: Ryan Bellone Commercial Director Date: 05/25/2022 Tested By: Scott Caudill Senior Scientist Date: 05/25/2022









This product or substance has been tested by KCA Laboratories using validated testing methodologies and an ISO/IEC 170252017 accredited quality system. Values reported relate only to the product or substance tested. The reported result is based on a sample weight. Unless otherwise stated, results of tests performed on all quality control samples met criteria for acceptance established by KCA Laboratories KCA Laboratories makes no claims as to the efficacy, safety or other risks associated with any detected or non-detected amounts of any substances reported herein. This Certificate of Analysis shall not be reproduced except in full, without the written approval of KCA Laboratories KCA Laboratories can provide measurement uncertainty upon request.

### **Terpene Report - Certificate of Analysis**



Manifest:

2205190008

Sample Id:

1A-GHEMP-2205190008-0002

Sample Name:

Fish Scales - FS-051622-003

Sample Type: Client Id:

Concentrate CID-50249

Client:

Oregon Custom Supply

Address:

212 NE North Street, , Grass Valley, OR 97029

**Test Performed:** 

Hemp Lab

Report No:

T-2205190008-V1

Receive Date:

2022-05-19

**Test Date:** 

2022-05-20

**Report Date:** 

2022-05-23

Sample Condition:

Good

Method Reference:

GH-OP-14

**Total Terpenes** 

7.27%

Terpene	Percent
Alpha-Pinene	0.2730
Camphene	0.1165
Beta-Pinene	0.3849
Beta-Myrcene	0.2813
Delta-3-Carene	0.1343
Alpha-Terpinene	0.1053
Limonene	1.2587
Alpha-Ocimene	ND
Eucalyptol	ND
Beta-Ocimene	0.5662
Gamma-Terpinene	0.0770
ND - not detected: T - trace: UI	OO - upper limit of

ND - not detected;	T - trace;	ULOQ	- upper	limit of
	quantitat	ion		

Terpene	Percent
Terpinolene	ND
Linalool	0.8704
(-)-Isopulegol	0.1024
Geraniol	ND
Beta-Caryophyllene	2.3890
Alpha-Humulene	0.5761
cis-Nerolidol	0.1330
trans-Nerolidol	ND
(-)-Guaiol	ND
(-)-Caryophyllene Oxide	ND
Alpha-Bisabolol	ND

ND - not detected; T - trace; ULOQ - upper limit of quantitation

2022-05-23

Jerry Hogan - Director of Operations

Date

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### Analytical Report - Certificate of Analysis



Manifest: 2205190008

**Sample Id:** 1A-GHEMP-2205190008-0002 **Sample Name:** Fish Scales - FS-051622-003

Sample Type:

Concentrate CID-50249

Client Id: CID Client: Ore

Oregon Custom Supply

Address: 212 N

212 NE North Street, , Grass Valley, OR 97029

Test Performed:

Hemp Lab

Report No:

R-2205190008-V2

Receive Date: Test Date: 2022-05-19 2022-05-19

Report Date:

2022-05-19

eport Date:

2022-05-24

Sample Condition: Method Reference:

Good GH-OP-08

#### Scope

The content of fifteen residual solvents was determined by an in-house developed method for Headspace-Gas Chromatography with Flame Ionization Detection.

Solvents	LOD (ppm)	LOQ (ppm)	Parts Per Million (ppm)
Propane	135	372	ND
Iso-Butane	82	490	ND
N-Butane	107	490	ND
Methanol	38	120	ND
Pentane	73	100	ND
Ethanol	50	200	ND
Acetone	82	200	ND
IPA	40	200	ND
Hexane	25	50	ND
Ethyl Acetate	57	200	ND
Benzene	0.65	1	ND
Heptane	137	200	ND
Toluene	75	100	ND
Xylenes	112	200	ND

ND - not detected; T - trace; ULOQ - upper limit of quantitation; LOD - limit of detection; LOQ - limit of quantitation

**Laboratory Comments:** 

1 deg-

2022-05-24

Jerry Hogan - Director of Operations

Date

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### **Analytical Report - Certificate of Analysis**



2205190008 Manifest:

Inhaled or Audited Product **Intended Use:** Sample Id: 1A-GHEMP-2205190008-0002 Sample Name:

MT-2205190008-V1 Fish Scales - FS-051622-003 Report No:

Sample Type: Concentrate Client Id: CID-50249

Client: Oregon Custom Supply

**Report Date:** 212 NE North Street, , Grass Valley, OR 97029 Address:

Sample Condition: Good Method Reference: GH-OP-17

Hemp Lab

2022-05-19

2022-05-20

2022-05-24

**Test Performed:** 

**Receive Date: Test Date:** 

#### Scope

Arsenic, Cadmium, Lead and Mercury were determined by an Inductively Coupled Plasma Mass Spectrometer (ICP-MS) using an in-house developed method.

Metals	LOD (ppm)	LOQ (ppm)	Sample Reporting Limit (ppm)	Parts Per Million (ppm)
Arsenic	0.007	0.025	0.500	ND
Cadmium	0.003	0.010	0.100	ND
Lead	0.003	0.010	0.100	ND
Mercury	0.0009	0.003	0.100	ND

ND - not detected; T - trace; ULOQ - upper limit of quantitation; LOD - limit of detection; LOQ limit of quantitation

**Laboratory Comments:** 

Jon Person Client Relations Manager

2022-05-24

Date

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### **Microbial Contaminant Report - Certificate of Analysis**



Manifest: Sample Type: 2205190008

Test Performed:

Concentrate Microbial Lab CID-50249

Client:

**Oregon Custom Supply** 

Address:

212 NE North Street, , Grass Valley, OR 97029

Report No:

M-2205190008-V1

**Receive Date**: 2022-05-19 **Test Date**: 2022-05-19

Report Date:

2022-05-19 2022-05-25

Sample Condition: Method Reference:

Good

MBH-OP-02, MBH-OP-03,

MBH-OP-05, MBH-OP-10,

MBH-OP-11

#### Scope

Contaminant testing for the identified pathogens *Salmonella spp.* and *Shiga Toxin Virulence Genes*, *O26*, *O45*, *O103*, *O111*, *O121*, *O145* and *O157:H7* serogroups of Escherichia coli (STEC) was performed through Polymerase Chain Reaction (PCR) presumptive experimentation, and confirmed through cultural methodology where applicable. Results for *Salmonella spp.* and STEC are represented as a negative or positive determination, a negative result indicating no detection of the respective contaminant.

Total Yeast and Mold Count (TYMC)/Total Aerobic Count(TAC)/Total Coliform Count (TCC) were determined through 3M<sup>™</sup> Petrifilm<sup>™</sup> plating technology. The TYMC/TAC/TCC is represented as a count in colony forming units per gram (cfu/g).

Hog

2022-05-25

Jerry Hogan - Director of Operations

Date

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### Microbial Contaminant Report - Certificate of Analysis



Manifest: Sample Type: 2205190008

Concentrate

**Test Performed:** Client Id:

Microbial Lab

Client:

CID-50249

Address:

**Oregon Custom Supply** 

212 NE North Street, , Grass Valley, OR 97029

Report No:

M-2205190008-V1

**Receive Date:** 

2022-05-19

**Test Date:** 

2022-05-19

**Report Date:** 

2022-05-25

Sample Condition: Method Reference:

Good

MBH-OP-02, MBH-OP-03, MBH-OP-05, MBH-OP-10,

MBH-OP-11

Sample Id	Product	Salmonella spp.	STEC	TYMC (cfu/g)	TAC (cfu/g)	TCC (cfu/g)
1A-GHEMP-2205190008-0002	Fish Scales - FS-051622-003	Negative	Negative	<100	<100	<100

STEC - shiga toxin-producing Escherichia coli; TYMC - total yeast and mold count; TAC - Total Aerobic Count; TCC - Total Coliform Count; NT - Not Tested;

**Laboratory Comments:** 

2022-05-25

Jerry Hogan - Director of Operations

Date

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### **Pesticide Residues Report - Certificate of Analysis**



Manifest: 2205190008

**Sample Id:** 1A-GHEMP-2205190008-0002 **Sample Name:** Fish Scales - FS-051622-003

Sample Type: Concentrate Client Id: CID-50249

Client: Oregon Custom Supply

Address: 212 NE North Street, , Grass Valley, OR 97029

Test Performed: Hemp Lab

Report No: PE-2205190008-V1

**Receive Date:** 2022-05-19 **Test Date:** 2022-05-20

**Report Date:** 2022-05-26 **Sample Condition:** Good

Method Reference: GH-OP-11

#### Scope

The content of 60 pesticides were quantified using liquid chromatography coupled to multiple mass spectrometry (LC-MS2) equipped with electrospray ionization (ESI) in positive mode after sample extraction using methodology based on AOAC 2007 and EN 15662 standard procedures. Identification was based on the retention time of each compound and the product mass generated using single reaction monitoring (SRM), and quantitation was determined using external standard calibration.

Analyte	Reporting Level μg/g	µg/g
Avermectin B1a	0.1	ND
Acephate	0.1	ND
Acetamiprid	0.1	ND
Aldicarb	0.1	ND
Azoxystrobin	0.1	ND
Bifenazate	0.1	ND
Bifenthrin	0.1	ND
Boscalid	0.1	ND
Captan	0.1	ND
Carbaryl	0.1	ND
Carbofuran	0.1	ND
Chlorantraniliprole	0.1	ND
Chlordane	0.1	ND
Chlorpyrifos	0.1	ND
Clofentazine	0.1	ND
Coumaphos	0.1	ND
Baythroid (Cyfluthrin)*	0.1	NT
Cypermethrin*	0.1	NT
Dichlorvos	0.1	ND
Diazinon	0.1	ND
Dimethoate	0.1	ND
Dimethomorph*	0.1	ND
Prophos	0.1	ND
Etofenprox	0.1	ND
Etoxazole	0.1	ND
Fenhexamid	0.1	ND
Fenoxycarb	0.1	ND
Fenpyroximate	0.1	ND
Fipronil	0.1	NT
Flonicamid	0.1	ND
Fludioxonil	0.1	ND

Analyte	Reporting Level μg/g	μg/g
Hexythiazox	0.1	ND
ImaziliI	0.1	ND
Imidacloprid	0.1	ND
Kresoxim Methyl	0.1	ND
Malathion	0.1	ND
Metalaxyl	0.1	ND
Methiocarb	0.1	ND
Methomyl	0.1	NT
Mevinphos*	0.1	ND
MGK-264	0.1	NT
Myclobutanil	0.1	ND
Oxamyl	0.1	ND
Paclobutrazol	0.1	ND
Pentachloronitrobenzene	0.1	ND
Permethrin*	0.1	ND
Imidan(Phosmet)	0.1	ND
Piperonyl Butoxide	0.1	ND
Propiconazole	0.1	ND
Propuxor	0.1	ND
Pyrethrin*	0.1	ND
Pyridaben	0.1	ND
Spinetoram	0.1	ND
Spinosad*	0.1	ND
Spiromefesin	0.1	ND
Spirotetramat	0.1	ND
Spiroxamine	0.1	ND
Tebuconazole	0.1	ND
Thiacloprid	0.1	ND
Thiamethoxam	0.1	ND
Trifloxystrobin	0.1	ND

NT - not tested; ND - not detected above Reporting Level; T – trace; \* Total of Isomers Lab Comments:

In lean

2022-05-26

Jon Person Client Relations Manager

Date

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### **Analytical Report - Certificate of Analysis**



Manifest: 2205190008

Sample Id: 1A-GHEMP-2205190008-0002

Sample Name: Fish Scales - FS-051622-003

Sample Type: Concentrate Client Id: CID-50249

Client: Oregon Custom Supply

Address: 212 NE North Street, , Grass Valley, OR 97029

Test Performed: Hemp Lab

**Report No:** R-2205190008-V1

 Receive Date:
 2022-05-19

 Test Date:
 2022-05-24

 Report Date:
 2022-05-27

Sample Condition: Good Method Reference: GH-OP-16

#### Scope

Ochratoxin and Total Aflatoxin were quantified using liquid chromatography coupled to multiple mass spectrometry (LC-MS/MS) equipped with electrospray ionization (ESI) in positive mode after sample extraction. Identification was based on the retention time of each compound and the product mass generated using single reaction monitoring (SRM). Quantitation was determined using external calibration.

Mycotoxins	LOD (ppm)	LOQ (ppm)	Reporting Limits (ppm)	Parts Per Million (ppm)
Aflatoxin G2	0.0019	0.0050	0.0050	ND
Aflatoxin G1	0.0011	0.0050	0.0050	ND
Aflatoxin B2	0.0017	0.0050	0.0050	ND
Aflatoxin B1	0.0015	0.0050	0.0050	ND
Ochratoxin A	0.0033	0.0050	0.0050	ND

ND - not detected; T - trace; ULOQ - upper limit of quantitation; LOD - limit of detection; LOQ - limit of quantitation

**Laboratory Comments:** 

2022-05-27

Jon Person Client Relations Manager

Date

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