

CERTIFICATE OF ANALYSIS

SAMPLE NAME: FG-01-LG-12OZ (#B-3193)

SAMPLE CODE: DTS-231205-014

CLIENT: LEILO

BATCH RESULT: PASS



1230 Woodmere Ave
Traverse City, MI 49686
231.252.3669
cambiumanalytica.com



MATRIX NAME:

Beverage

SAMPLE TYPE:

Compliance

RECEIVED DATE:

Thu, Dec 7, 2023

PUBLISHED DATE:

Mon, Dec 11, 2023

BATCH CODE:

LLG231907

BATCH SIZE:

56500U

SAMPLE SIZE:

3U



LAB-TM-059

Total E. Coli & Coliforms - Plate



LAB-TM-060

Total Aerobic Bacteria - Plate



LAB-TM-006

Salmonella & Shiga Toxin Producing E.Coli (STEC) - qPCR



LAB-TM-017

Brix of Liquids



LAB-TM-017

Density of Liquids



LAB-TM-020

Carbon Dioxide & Dissolved Oxygen of Liquids



LAB-TM-018

pH & Electric Conductivity (EC)z



LAB-TM-021

Turbidity - Liquids



LAB-TM-074

Opioid Adulterants



LAB-TM-061

Total Yeast & Mold - Plate



LAB-TM-044

Heavy Metals - 7

RESULTS REVIEWED BY: Leslie Varela

Laboratory Director
Cambium Analytica
Monday, Dec 11, 2023

RESULTS REVIEWED BY: Douglas Smith

VP - Scientific Operations
Cambium Analytica
Mon, Dec 11, 2023

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LAB-TM-059 - ENUMERATION OF ESCHERICHIA...
 ECOLI-DTS-231205-014-01 - TUE, DEC 5, 2023


ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
E. coli	<10 CFU/g	N/A			N/A
Total Coliforms	<10 CFU/g	N/A			N/A

LAB-TM-060 - ENUMERATION OF TOTAL AERO...
 TAMC-DTS-231205-014-01 - TUE, DEC 5, 2023


ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Total Aerobic Count	<10 CFU/g	N/A			N/A

LAB-TM-006 - MICROBIAL ANALYSIS BY QPCR
 SS-DTS-231205-014-01 - TUE, DEC 5, 2023


ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Salmonella Spp	ND	N/A			N/A
Shiga Toxin Producing E. coli	ND	N/A			N/A

LAB-TM-017 - BRIX & DENSITY ANALYSIS
 BRX-DTS-231205-014-01 - TUE, DEC 5, 2023

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Brix	3.8 bx	N/A			N/A

LAB-TM-017 - BRIX & DENSITY ANALYSIS
 DEN-DTS-231205-014-01 - FRI, DEC 8, 2023


ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Density	1.013 g/mL	N/A			N/A

LAB-TM-020 - DETERMINATION OF CARBON DI...
 COOX-DTS-231205-014-01 - TUE, DEC 5, 2023


ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Dissolved Carbon Dioxide	1.985 vol	N/A			N/A
Dissolved Oxygen	51.5 ug/kg	N/A			N/A

LAB-TM-018 - TEST METHOD FOR DETERMININ...
 PH-DTS-231205-014-01 - TUE, DEC 5, 2023


ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
pH	3.287	N/A			N/A

LAB-TM-021 - TURBIDITY BY UV-VIS
 TURB-DTS-231205-014-01 - TUE, DEC 5, 2023

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Turbidity	26.303 %	N/A			N/A



LAB-TM-074 - QUALITATIVE DETERMINATION O...
 DTADT-DTS-231205-014-01 - TUE, DEC 5, 2023


ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
4-Fluoro-Isobutyryl Fentanyl	ND	Detection	1.20 ug/g		PASS
Acetyl Fentanyl	ND	Detection	0.48 ug/g		PASS
Benzoyl Fentanyl	ND	Detection	1.20 ug/g		PASS
Buprenorphine	ND	Detection	4.80 ug/g		PASS
Butyryl Fentanyl	ND	Detection	1.20 ug/g		PASS
Carfentanyl	ND	Detection	1.20 ug/g		PASS
Codeine	ND	Detection	4.80 ug/g		PASS
Cyclopropyl Fentanyl	ND	Detection	0.48 ug/g		PASS
Fentanyl	ND	Detection	0.48 ug/g		PASS
Furanyl Fentanyl	ND	Detection	0.48 ug/g		PASS
Heroin	ND	Detection	4.80 ug/g		PASS
Hydrocodone	ND	Detection	4.80 ug/g		PASS
Hydromorphone	ND	Detection	4.80 ug/g		PASS
Meperidine	ND	Detection	4.80 ug/g		PASS
Methadone	ND	Detection	4.80 ug/g		PASS
Morphine	ND	Detection	4.80 ug/g		PASS
Oxycodone	ND	Detection	4.80 ug/g		PASS
Oxymorphone	ND	Detection	4.80 ug/g		PASS
Tramadol	ND	Detection	4.80 ug/g		PASS

LAB-TM-061 - ENUMERATION OF YEAST AND ...
 TYMFD-DTS-231205-014-01 - TUE, DEC 5, 2023

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Total Yeast and Mold	<10 CFU/g	N/A			N/A

LAB-TM-044 - DETERMINATION OF HEAVY MET...
 HPMET-DTS-231205-014-01 - TUE, DEC 5, 2023


ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Arsenic	ND	N/A	0.1985 ug/kg	0.6616 ug/kg	N/A
Cadmium	0.001 ug/g	N/A	0.0817 ug/kg	0.2724 ug/kg	N/A
Chromium	0.020 ug/g	N/A	0.6272 ug/kg	2.0907 ug/kg	N/A
Copper	ND	N/A	0.1546 ug/kg	0.5152 ug/kg	N/A
Lead	0.002 ug/g	N/A	0.2817 ug/kg	0.2817 ug/kg	N/A
Mercury	0.001 ug/g	N/A	0.0171 ug/kg	0.0571 ug/kg	N/A
Nickel	0.018 ug/g	N/A	0.3213 ug/kg	1.0709 ug/kg	N/A



CERTIFICATE OF ANALYSIS

SAMPLE NAME: FG-01-RH-12OZ (#B-3193)

SAMPLE CODE: DTS-231201-019

CLIENT: LEILO

BATCH RESULT: PASS



1230 Woodmere Ave
Traverse City, MI 49686
231.252.3669
cambiumanalytica.com



MATRIX NAME:

Beverage

SAMPLE TYPE:

Compliance

RECEIVED DATE:

Tue, Dec 5, 2023

PUBLISHED DATE:

Mon, Dec 11, 2023

BATCH CODE:

LRH232707

BATCH SIZE:

67500U

SAMPLE SIZE:

3U

AVERAGE UNIT WEIGHT:

345.82g



LAB-TM-059
Total E. Coli &
Coliforms - Plate



LAB-TM-060
Total Aerobic Bacteria -
Plate



LAB-TM-006
Salmonella & Shiga
Toxin Producing E.Coli
(STEC) - qPCR



LAB-TM-017
Brix of Liquids



LAB-TM-017
Density of Liquids



LAB-TM-020
Carbon Dioxide &
Dissolved Oxygen of
Liquids



LAB-TM-018
pH & Electric
Conductivity (EC)_z



LAB-TM-021
Turbidity - Liquids



LAB-TM-074
Opioid Adulterants



LAB-TM-061
Total Yeast & Mold -
Plate



LAB-TM-044
Heavy Metals - 7

RESULTS REVIEWED BY: Leslie Varela
Laboratory Director
Cambium Analytica
Monday, Dec 11, 2023

RESULTS REVIEWED BY: Douglas Smith
VP - Scientific Operations
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Mon, Dec 11, 2023

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LAB-TM-059 - ENUMERATION OF ESCHERICHIA COLI AND TOTAL COLIFORM IN FOODS AND DIETARY SUPPLEMENTS

ECOLI-DTS-231201-019-01 - FRI, DEC 1, 2023



ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
E. coli	<10 CFU/g	N/A			N/A
Total Coliforms	<10 CFU/g	N/A			N/A

LAB-TM-060 - ENUMERATION OF TOTAL AEROBIC COUNT IN FOODS AND DIETARY SUPPLEMENTS

TAMC-DTS-231201-019-01 - FRI, DEC 1, 2023



ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Total Aerobic Count	<10 CFU/g	N/A			N/A

LAB-TM-006 - MICROBIAL ANALYSIS BY QPCR

SS-DTS-231201-019-01 - FRI, DEC 1, 2023



ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Salmonella Spp	ND	N/A			N/A
Shiga Toxin Producing E. coli	ND	N/A			N/A

LAB-TM-017 - BRIX & DENSITY ANALYSIS

BRX-DTS-231201-019-01 - FRI, DEC 1, 2023

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Brix	4.1 bx	N/A			N/A

LAB-TM-017 - BRIX & DENSITY ANALYSIS

DEN-DTS-231201-019-01 - WED, DEC 6, 2023



ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Density	1.014 g/mL	N/A			N/A

LAB-TM-020 - DETERMINATION OF CARBON DIOXIDE AND DISSOLVED OXYGEN IN BEVERAGES

COOX-DTS-231201-019-01 - FRI, DEC 1, 2023



ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Dissolved Carbon Dioxide	1.60 vol	N/A			N/A
Dissolved Oxygen	545.5 ug/kg	N/A			N/A

LAB-TM-018 - TEST METHOD FOR DETERMINING PH

PH-DTS-231201-019-01 - FRI, DEC 1, 2023



ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
pH	3.274	N/A			N/A

LAB-TM-021 - TURBIDITY BY UV-VIS

TURB-DTS-231201-019-01 - FRI, DEC 1, 2023

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Turbidity	35.681 %	N/A			N/A



LAB-TM-074 - QUALITATIVE DETERMINATION OF PAIN MANAGEMENT ADULTERANTS IN BOTANICAL PRODUCTS

DTADT-DTS-231201-019-01 - FRI, DEC 1, 2023



ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
4-Fluoro-Isobutyryl Fentanyl	ND	Detection	1.20 ug/g		PASS
Acetyl Fentanyl	ND	Detection	0.48 ug/g		PASS
Benzoyl Fentanyl	ND	Detection	1.20 ug/g		PASS
Buprenorphine	ND	Detection	4.80 ug/g		PASS
Butyryl Fentanyl	ND	Detection	1.20 ug/g		PASS
Carfentanyl	ND	Detection	1.20 ug/g		PASS
Codeine	ND	Detection	4.80 ug/g		PASS
Cyclopropyl Fentanyl	ND	Detection	0.48 ug/g		PASS
Fentanyl	ND	Detection	0.48 ug/g		PASS
Furanyl Fentanyl	ND	Detection	0.48 ug/g		PASS
Heroin	ND	Detection	4.80 ug/g		PASS
Hydrocodone	ND	Detection	4.80 ug/g		PASS
Hydromorphone	ND	Detection	4.80 ug/g		PASS
Meperidine	ND	Detection	4.80 ug/g		PASS
Methadone	ND	Detection	4.80 ug/g		PASS
Morphine	ND	Detection	4.80 ug/g		PASS
Oxycodone	ND	Detection	4.80 ug/g		PASS
Oxymorphone	ND	Detection	4.80 ug/g		PASS
Tramadol	ND	Detection	4.80 ug/g		PASS

LAB-TM-061 - ENUMERATION OF YEAST AND MOLD IN FOODS AND DIETARY SUPPLEMENTS

TYMFD-DTS-231201-019-01 - FRI, DEC 1, 2023

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Total Yeast and Mold	<10 CFU/g	N/A			N/A

LAB-TM-044 - DETERMINATION OF HEAVY METALS BY ICP-MS

HPMET-DTS-231201-019-01 - FRI, DEC 1, 2023



ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Arsenic	ND	N/A	0.1985 ug/kg	0.6616 ug/kg	N/A
Cadmium	0.006 ug/g	N/A	0.0817 ug/kg	0.2724 ug/kg	N/A
Chromium	0.014 ug/g	N/A	0.6272 ug/kg	2.0907 ug/kg	N/A
Copper	0.041 ug/g	N/A	0.1546 ug/kg	0.5152 ug/kg	N/A
Lead	0.004 ug/g	N/A	0.2817 ug/kg	0.2817 ug/kg	N/A
Mercury	0.005 ug/g	N/A	0.0171 ug/kg	0.0571 ug/kg	N/A
Nickel	0.015 ug/g	N/A	0.3213 ug/kg	1.0709 ug/kg	N/A

