

Happy Fruit Quality Control Potency Report



Batch ID: N01453
Data file: 2022-01-07 10-55-01-05-00-02.dx
Sample Description: Happy Fruit
 15mg D9, 5mg THC
 Cherry Limeade Gummy
 F-2637 FW: 6.9g

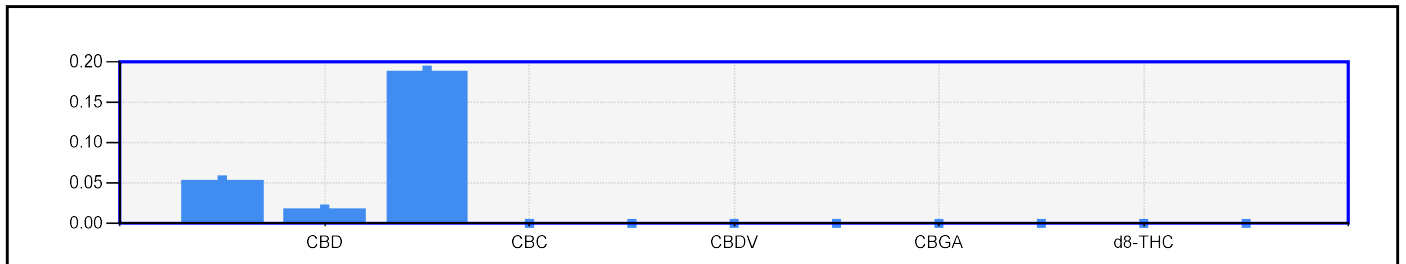
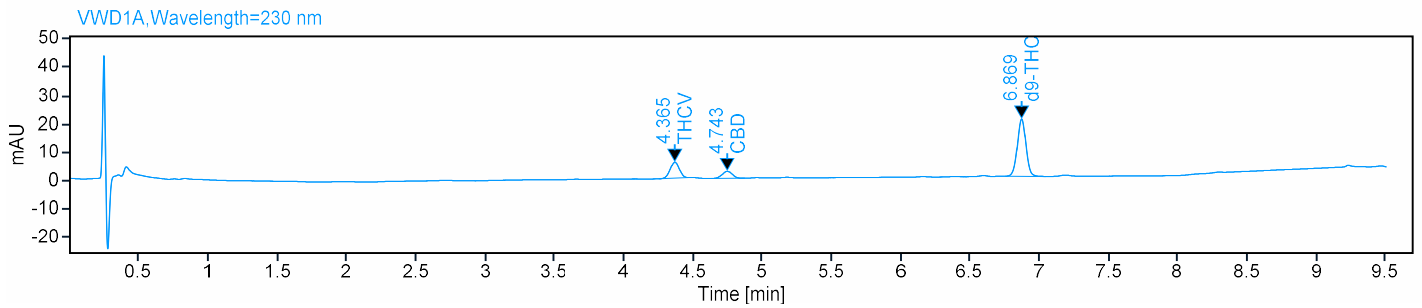
Name	Concentration [mg/g]	% Amount
CBN	0.0000	0.00
d8-THC	0.0000	0.00
THC-A	0.0000	0.00
CBC	0.0000	0.00
CBDA	0.0000	0.00
CBDV	0.0000	0.00
CBG	0.0000	0.00
CBGA	0.0000	0.00
THCV	0.5407	0.05
CBD	0.1786	0.02
d9-THC	1.9003	0.19

Total THC [mg/g]	Total THC [%]	Total CBD [mg/g]	Total CBD [%]
1.90	0.19	0.18	0.02

Comments:

Total D9/Gummy: 13.1mg

Total THCV/Gummy: 3.7mg



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Pesticide Residues Report - Certificate of Analysis



Manifest: 2201050007
Sample Id: 1A-GHEMP-2201050007-0001
Sample Name: Lifted Limeade N01453
Sample Type: Infused (edible)
Client Id: CID-50200
Client: Happy Fruit LLC
Address: 6500 S Quebec St, Unit 280, Centennial, CO 80111

Test Performed: Hemp Lab
Report No: PE-2201050007-V2
Receive Date: 2022-01-05
Test Date: 2022-01-07
Report Date: 2022-01-12
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	NT
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
Imazilil	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	ND
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:

Jerry Hogan - Director of Operations

2022-01-12

Date

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• (720)560-9299 •



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Analytical Report - Certificate of Analysis



Manifest: 2201050007
Sample Id: 1A-GHEMP-2201050007-0001
Sample Name: Lifted Limeade N01453
Sample Type: Infused (edible)
Client Id: CID-50200
Client: Happy Fruit LLC
Address: 6500 S Quebec St, Unit 280, Centennial, CO 80111

Test Performed: Hemp Lab
Intended Use: Inhaled or Audited Product
Report No: MT-2201050007-V1
Receive Date: 2022-01-05
Test Date: 2022-01-07
Report Date: 2022-01-11
Sample Condition: Good
Method Reference: GH-OP-17

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

2022-01-11

Date

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Manifest: 2201050007
Sample Id: 1A-GHEMP-2201050007-0001
Sample Name: Lifted Limeade N01453
Sample Type: Infused (edible)
Client Id: CID-50200
Client: Happy Fruit LLC
Address: 6500 S Quebec St, Unit 280, Centennial, CO 80111

Test Performed: Hemp Lab
Report No: R-2201050007-V1
Receive Date: 2022-01-05
Test Date: 2022-01-06
Report Date: 2022-01-12
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:



2022-01-12

Jon Person Client Relations Manager

Date

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Analytical Report - Certificate of Analysis



Manifest: 2201050007
Sample Id: 1A-GHEMP-2201050007-0001
Sample Name: Lifted Limeade N01453
Sample Type: Infused (edible)
Client Id: CID-50200
Client: Happy Fruit LLC
Address: 6500 S Quebec St, Unit 280, Centennial, CO 80111

Test Performed: Hemp Lab
Report No: R-2201050007-V3
Receive Date: 2022-01-05
Test Date: 2022-01-07
Report Date: 2022-01-10
Sample Condition: Good
Method Reference: 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	T
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:

Jerry Hogan - Director of Operations

2022-01-10

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Manifest:	2201050007	Report No:	M-2201050007-V1
Sample Type:	Infused (edible)	Receive Date:	2022-01-05
Test Performed:	Microbial Lab	Test Date:	2022-01-05
Client Id:	CID-50200	Report Date:	2022-01-12
Client:	Happy Fruit LLC	Sample Condition:	Good
Address:	6500 S Quebec St, Unit 280, Centennial, CO 80111	Method Reference:	MBH-OP-02, MBH-OP-03, MBH-OP-05

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™ Petrifilm™ plating technology. The TYMC/TAC/TCC is represented as a count in colony forming units per gram (cfu/g).



Jerry Hogan - Director of Operations

2022-01-12

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Manifest:	2201050007	Report No:	M-2201050007-V1
Sample Type:	Infused (edible)	Receive Date:	2022-01-05
Test Performed:	Microbial Lab	Test Date:	2022-01-05
Client Id:	CID-50200	Report Date:	2022-01-12
Client:	Happy Fruit LLC	Sample Condition:	Good
Address:	6500 S Quebec St, Unit 280, Centennial, CO 80111	Method Reference:	MBH-OP-02, MBH-OP-03, MBH-OP-05

Sample Id	Product	Salmonella spp.	STEC	TYMC (cfu/g)
1A-GHEMP-2201050007-0001	Lifted Limeade N01453	Negative	Negative	NT

STEC - shiga toxin-producing *Escherichia coli*; TYMC - total yeast and mold count;
TAC - Total Aerobic Count; TCC - Total Coliform Count;

Laboratory Comments:

NT = Not Tested



Jerry Hogan - Director of Operations

2022-01-12

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