



# Certificate of Analysis

Mar 11, 2021 | The Helping  
Friendly Hemp Co.

Madison Heights, MI, 48071  
(515) 724-3758



**HF Delta 8 Soft Chews 400mg**

**Matrix:** Edible

**Accession Number:** 030321UD0005

**Harvest/Lot ID:**

**Seed to Sale:** \*

**Batch Date:** 03/03/21

**Batch #:**

**Sample Size Received:** 1 units

**Retail Product Size:** 60

**Ordered:** 03/03/21

**Completed:** 03/11/21

**Expires:** 03/10/22

**Sampling Method:** SOP Client Method



## CANNABINOID RESULTS

<b>Total THC</b> <b>0.038%</b> THC/Container :22.8 mg	<b>Total CBD</b> <b>0.000%</b> CBD/Container :0 mg	<b>Total Cannabinoids</b> <b>1.098%</b> Cannabinoids/Container :658.8 mg
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Compound	Result	LOD
CBC	ND	0.001
CBD	ND	0.0001
CBDa	ND	0.001
CBDV	ND	0.001
CBG	ND	0.001
CBGA	ND	0.001
CBN	ND	0.001
D8-THC	1.060% 10.600 mg/g 0.001	0.001
D9-THC	0.380 mg/g 0.001	0.0001
THCa	ND	0.001
THCV	ND	0.001

Full spectrum cannabinoid analysis utilizing High Performance Liquid Chromatography with UV detection (HPLC-PDA). (Method: SOP.KY.02.005) sample prep and Shimadzu High Sensitivity Method SOP.KY.02.012 for analysis. LOQ for all cannabinoids is 1 mg/L. % = %w/w = Percent (Weight of Analyte/Weight Product) Total Cannabinoids result reflects the absolute sum of all cannabinoids detected. \*\*Total Potential THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation Total THC = THC + (THCa\*0.877) Total CBD = CBD + (CBDa\*0.877)

**Filth & Foreign Matter** **PASSED**

This includes but is not limited to hair, insects, feces, packaging contaminants, and manufacturing waste and by-products. An SH-2B/T Stereo Microscope is use for inspection. SOP.KY.02.11

This report shall not be reproduced, unless in its entirety, without written approval from Universal Diagnostics. This report is an Universal Diagnostics certification. The results relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. Void after 1 year from test end date. Cannabinoid content of batch material may vary depending on sampling error. IC=In-control QC parameter, NC=Non-controlled QC parameter, ND=Not Detected, NA=Not Analyzed, ppm=Parts Per Million, ppb=Parts Per Billion. Limit of Detection (LoD) and Limit Of Quantitation (LoQ) are terms used to describe the smallest concentration that can be reliably measured by an analytical procedure. RPD=Reproducibility of two measurements. Action Levels are State determined thresholds for human safety for consumption and/or inhalation. The result >99% are variable based on uncertainty of measurement (UM) for the analyte. The UM error is available from the lab upon request. The "Decision Rule" for the pass/fail does not include the UM. The limits are based on F.S. Rule 64-4.310.

**David Greene**  
Lab Director  
State License # 19-05-02P

Signature

03/11/21  
Signed On



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Table with 12 columns: Pesticides, LLOQ, Result, Units, Action Level, Pass / Fail. Includes a large 'PASSED' watermark and a list of 57 pesticides with their respective results.

Pesticide screen is performed using LC-MS which can screen down to below single digit ppb concentrations for regulated Pesticides. Currently we analyze for 57 Pesticides. (Method: SOP.T.30.060 Sample Preparation for Pesticides Analysis via LCMSMS and SOP.T40.060 Procedure for Pesticide Quantification Using LCMS). \*\*

Table with 12 columns: Mycotoxins, LLOQ, Result, Units, Action Level, Pass / Fail. Includes a large 'PASSED' watermark and a list of 6 mycotoxins with their respective results.

Aflatoxins B1, B2, G1, G2, and Ochratoxins A testing using LC-MS. (Method: SOP.T.30.060 for Sample Preparation and SOP.T40.060 Procedure for Mycotoxins Quantification Using LCMS. LOQ 1.0ppb). Total Aflatoxins (Aflatoxin B1, B2, G1, G2) must be 20g/Kg. Ochratoxins must be 20g/Kg

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Table with 6 columns: Solvent, LLOQ, Result, Units, Action Level (PPM), Pass/Fail. Row 1: Residual Solvents PASSED. Rows 2-17: 2-Propanol, Acetone, Acetonitrile, Butane, Ethanol, Ethyl Acetate, Ethyl Ether, Heptane, Hexane, Methanol, Pentane, Propane, Toluene, XYLENES, M/P-Xylene, O-Xylene, Total Xylenes.

Table with 6 columns: Metal, LLOQ, Result, Unit, Action Level, Pass/Fail. Row 1: Heavy Metals PASSED. Rows 2-5: Arsenic, Cadmium, Lead, Mercury.

Heavy Metals screening is performed using ICP-MS (Inductively Coupled Plasma - Mass Spectrometer) which can screen down to below single digit ppb concentrations for regulated heavy metals using Method SOP.T.30.052 Sample Preparation for Heavy Metals Analysis via ICP-MS and SOP.T.40.050 Heavy Metals Analysis via ICP-MS. \*Action Limits based on Colorado Regulations.

Table with 2 columns: Analyte, Result. Row 1: Microbials PASSED. Rows 2-6: ASPERGILLUS\_FLAVUS, ASPERGILLUS\_FUMIGATUS, ASPERGILLUS\_NIGER, ASPERGILLUS\_TERREUS\_1J2, ESCHERICHIA\_COLI\_SHIGELLA\_SPP, SALMONELLA\_SPECIFIC\_GENE.

Microbiological testing for Fungal and Bacterial Identification via Polymerase Chain Reaction (PCR) method consisting of sample DNA amplified via tandem Polymerase Chain Reaction (PCR) as a crude lysate which avoids purification. (Method SOP.T.40.043) If a pathogenic Escherichia Coli, Salmonella, Aspergillus fumigatus, Aspergillus flavus, Aspergillus niger, or Aspergillus terreus is detected in 1g of a sample, the sample fails the microbiological-impurity testing.



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