10427 Cogdill Road, Suite 500
Knoxville, TN, 37932, US
**DEA Number:** RK0595249

**Kaycha Labs**
HHC
N/A
Matrix: Edible

# Certificate of Analysis

**Sample:KN20614010-001**
**Harvest/Lot ID: 001**
**Batch#:** 001
**Seed to Sale#** N/A
**Batch Date:** 06/06/22
**Sample Size Received:** 40 gram
**Total Batch Size:** N/A
**Retail Product Size:** 4.4 gram
**Ordered** : 06/09/22
**Sampled** : 06/09/22
**Completed:** 06/24/22
**Sampling Method:** N/A

## Jun 24, 2022 | High Harvest Hemp Company LLC

6281 NC 125
Oak City, NC, 27857, US

**PASSED**



**PRODUCT IMAGE**

mg per gummy

**SAFETY RESULTS**

| Pesticides | Heavy Metals | Microbials | Mycotoxins | Residuals Solvents | Filth | Water Activity | Moisture |
|---|---|---|---|---|---|---|---|
| PASSED | PASSED | PASSED | PASSED | PASSED | PASSED | NOT TESTED | NOT TESTED |

**MISC.**

Terpenes
**NOT TESTED**

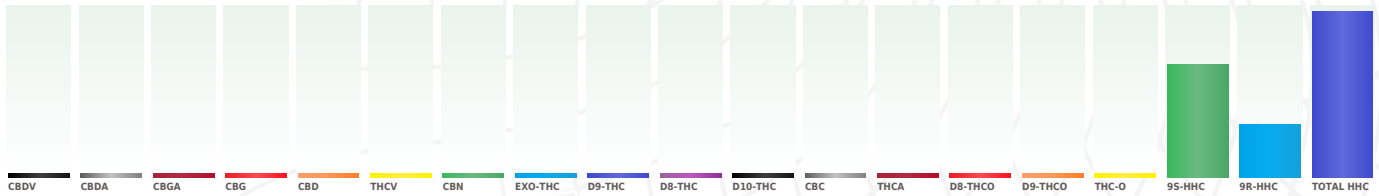
## Cannabinoid

**PASSED**

**Total THC**
**0.0225%**
**Total THC/Gummy : 0.99 mg**

**Total HHC**
**2.012%**
**Total HHC/Gummy : 2.012 mg**

**Total Cannabinoids**
**2.057%**
**Total Cannabinoids/Gummy : 1.962 mg**



| | CBDV | CBDA | CBGA | CBG | CBD | THCV | CBN | EXO-THC | D9-THC | D8-THC | D10-THC | CBC | THCA | D8-THCO | D9-THCO | THC-O | 9S-HHC | 9R-HHC | TOTAL HHC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| % | ND | ND | ND | ND | <0.01 | ND | <0.01 | ND | 0.0225 | 0.0221 | ND | ND | ND | ND | ND | ND | 1.3732 | 0.6387 | 2.0119 |
| mg/g | ND | ND | ND | ND | <0.1 | ND | <0.1 | ND | 0.225 | 0.221 | ND | ND | ND | ND | ND | ND | 13.732 | 6.387 | 20.119 |
| LOD | 0.001 % | 0.001 % | 0.001 % | 0.001 % | 0.001 % | 0.001 % | 0.001 % | 0.002 % | 0.001 % | 0.001 % | 0.001 % | 0.001 % | 0.001 % | 0.002 % | 0.002 % | 0.002 % | 0.01 % | 0.01 % | 0.01 % |

**Analyzed by:** 113
**Weight:** 0.2153g
**Extraction date:** 06/15/22 14:44:35
**Extracted by:** 113

**Analysis Method :** Expanded Measurement of Uncertainty: Flower Matrix d9-THC:12.7%, THCa: 9.5%, TOTAL THC 11. 1%. These uncertainties represent an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor k=2 for a normal distribution.
**Analytical Batch :** KN002537POT
**Instrument Used :** HPLC E-SHI-008
**Running on :**
**Reviewed On :** 06/20/22 15:55:17
**Batch Date :** 06/15/22 08:18:49

**Dilution :** 40
**Reagent :** 081321.R04; 061722.R01; 060922.R02
**Consumables :** 947B9291.271; 200331059
**Pipette :** E-GIL-010; E-GIL-013

Full spectrum cannabinoid analysis utilizing High Performance Liquid Chromatography with UV/PDA detection (HPLC-UV/PDA). (Method: SOP.T.30.031.TN for sample prep and Shimadzu High Sensitivity Method SOP.T.40.020 for analysis.). *Based on FL action limits.

**Analyzed by:** 113
**Weight:** 33g
**Extraction date:** 06/17/22 16:30:06
**Extracted by:** 12

**Analysis Method :** SOP.T.30.074, SOP.T.40.074
**Analytical Batch :** KN002548HHC
**Instrument Used :** E-AGI-178
**Running on :**
**Reviewed On :** 06/24/22 11:12:22
**Batch Date :** 06/16/22 11:56:09

**Dilution :** 1
**Reagent :**
**Consumables :**
**Pipette :**

Analysis Method SOP.T.30.050 Description: Total Hexahydrocannabinol (9S & 9R-HHC) analysis is performed using GC-MS with Liquid Injection (Gas Chromatography – Mass Spectrometer) Analytes ISO Pending



**Sue Ferguson**
Lab Director
State License # n/a
ISO Accreditation # 17025:2017

Signature

06/24/22
Signed On

10427 Cogdill Road, Suite 500
Knoxville, TN, 37932, US
**DEA Number:** RK0595249

**Kaycha Labs**

HHC
N/A
Matrix : Edible

# Certificate of Analysis

**PASSED**

**High Harvest Hemp Company LLC**

6281 NC 125
Oak City, NC, 27857, US
**Telephone:** 2527997017
**Email:** highharvesthempcollc@gmail.com

**Sample : KN20614010-001**
**Harvest/Lot ID: 001**
**Batch# :** 001
**Sampled :** 06/09/22
**Ordered :** 06/09/22

**Sample Size Received :** 40 gram
**Total Batch Size :** N/A
**Completed :** 06/24/22 **Expires:** 06/24/23
**Sample Method :** SOP Client Method



## Pesticides

**PASSED**

| Pesticide | LOD | Units | Action Level | Pass/Fail | Result |
|---|---|---|---|---|---|
| ABAMECTIN B1A | 0.01 | ppm | 0.3 | PASS | ND |
| ACEPHATE | 0.01 | ppm | 3 | PASS | ND |
| ACEQUINOCYL | 0.01 | ppm | 2 | PASS | ND |
| ACETAMIPRID | 0.01 | ppm | 3 | PASS | ND |
| ALDICARB | 0.01 | ppm | 0.1 | PASS | ND |
| AZOXYSTROBIN | 0.01 | ppm | 3 | PASS | ND |
| BIFENAZATE | 0.01 | ppm | 3 | PASS | ND |
| BIFENTHRIN | 0.01 | ppm | 0.5 | PASS | ND |
| BOSCALID | 0.01 | ppm | 3 | PASS | ND |
| CARBARYL | 0.01 | ppm | 0.5 | PASS | ND |
| CARBOFURAN | 0.01 | ppm | 0.1 | PASS | ND |
| CHLORANTRANILIPROLE | 0.01 | ppm | 3 | PASS | ND |
| CHLORMEQUAT CHLORIDE | 0.01 | ppm | 3 | PASS | ND |
| CHLORPYRIFOS | 0.01 | ppm | 0.1 | PASS | ND |
| CLOFENTEZINE | 0.01 | ppm | 0.5 | PASS | ND |
| COUMAPHOS | 0.01 | ppm | 0.1 | PASS | ND |
| CYPERMETHRIN | 0.01 | ppm | 1 | PASS | ND |
| DAMINOZIDE | 0.01 | ppm | 0.1 | PASS | ND |
| DIAZANON | 0.01 | ppm | 0.2 | PASS | ND |
| DICHLORVOS | 0.01 | ppm | 0.1 | PASS | ND |
| DIMETHOATE | 0.01 | ppm | 0.1 | PASS | ND |
| DIMETHOMORPH | 0.01 | ppm | 3 | PASS | ND |
| ETHOPROPHOS | 0.01 | ppm | 0.1 | PASS | ND |
| ETOFENPROX | 0.01 | ppm | 0.1 | PASS | ND |
| ETOXAZOLE | 0.01 | ppm | 1.5 | PASS | ND |
| FENHEXAMID | 0.01 | ppm | 3 | PASS | ND |
| FENOXYCARB | 0.01 | ppm | 0.1 | PASS | ND |
| FENPYROXIMATE | 0.01 | ppm | 2 | PASS | ND |
| FIPRONIL | 0.01 | ppm | 0.1 | PASS | ND |
| FLONICAMID | 0.01 | ppm | 2 | PASS | ND |
| FLUDIOXONIL | 0.01 | ppm | 3 | PASS | ND |
| HEXYTHIAZOX | 0.01 | ppm | 2 | PASS | ND |
| IMAZALIL | 0.01 | ppm | 0.1 | PASS | ND |
| IMIDACLOPRID | 0.01 | ppm | 3 | PASS | ND |
| KRESOXIM-METHYL | 0.01 | ppm | 1 | PASS | ND |
| MALATHION | 0.01 | ppm | 2 | PASS | ND |
| METALAXYL | 0.01 | ppm | 3 | PASS | ND |
| METHIOCARB | 0.01 | ppm | 0.1 | PASS | ND |
| METHOMYL | 0.01 | ppm | 0.1 | PASS | ND |
| MEVINPHOS | 0.01 | ppm | 0.1 | PASS | ND |
| MYCLOBUTANIL | 0.01 | ppm | 3 | PASS | ND |
| NALED | 0.01 | ppm | 0.5 | PASS | ND |
| OXAMYL | 0.01 | ppm | 0.5 | PASS | ND |
| PACLOBUTRAZOL | 0.01 | ppm | 0.1 | PASS | ND |
| PERMETHRINS | 0.01 | ppm | 1 | PASS | ND |
| PHOSMET | 0.01 | ppm | 0.2 | PASS | ND |
| PIPERONYL BUTOXIDE | 0.01 | ppm | 3 | PASS | ND |
| PRALLETHRIN | 0.01 | ppm | 0.4 | PASS | ND |
| PROPICONAZOLE | 0.01 | ppm | 1 | PASS | ND |
| PROPOXUR | 0.01 | ppm | 0.1 | PASS | ND |
| PYRETHRINS | 0.01 | ppm | 1 | PASS | ND |
| PYRIDABEN | 0.01 | ppm | 3 | PASS | ND |
| SPINETORAM | 0.01 | ppm | 3 | PASS | ND |
| SPIROMESIFEN | 0.01 | ppm | 3 | PASS | ND |
| SPIROTETRAMAT | 0.01 | ppm | 3 | PASS | ND |
| SPIROXAMINE | 0.01 | ppm | 0.1 | PASS | ND |
| TEBUCONAZOLE | 0.01 | ppm | 1 | PASS | ND |
| THIACLOPRID | 0.01 | ppm | 0.1 | PASS | ND |
| THIAMETHOXAM | 0.01 | ppm | 1 | PASS | ND |
| TOTAL SPINOSAD | 0.01 | ppm | 3 | PASS | ND |
| TRIFLOXYSTROBIN | 0.01 | ppm | 3 | PASS | ND |

**Analyzed by:** 12 | **Weight:** 33g | **Extraction date:** NA | **Extracted by:** NA

**Analysis Method :** SOP.T.30.060, SOP.T.40.060
**Analytical Batch :** KN002574PES
**Instrument Used :** E-SHI-125 Pesticides
**Running on :**
**Dilution :** 1
**Reagent :**
**Consumables :**
**Pipette :**

**Reviewed On :** 06/22/22 17:02:09
**Batch Date :** 06/22/22 15:36:41

Pesticide analysis is performed using LC-MSMS which can quantify down to below single digit ppb concentrations for regulated Pesticides. Currently we analyze for 61 Pesticides. (Methods: SOP.T.30.065 Sample Preparation for Pesticides Analysis via LCMSMS and SOP.T40.065 Procedure for Pesticide Quantification Using LCMSMS). *Based on FL action limits.



**Sue Ferguson**
Lab Director

State License # n/a
ISO Accreditation # 17025:2017

Signature

06/24/22
Signed On

10427 Cogdill Road, Suite 500
Knoxville, TN, 37932, US
**DEA Number:** RK0595249

**Kaycha Labs**
HHC
N/A
Matrix : Edible

# Certificate of Analysis

**PASSED**

**High Harvest Hemp Company LLC**

6281 NC 125
Oak City, NC, 27857, US
**Telephone:** 2527997017
**Email:** highharvesthempcollc@gmail.com

**Sample : KN20614010-001**
**Harvest/Lot ID: 001**
**Batch# :** 001
**Sampled :** 06/09/22
**Ordered :** 06/09/22

**Sample Size Received :** 40 gram
**Total Batch Size :** N/A
**Completed :** 06/24/22 **Expires:** 06/24/23
**Sample Method :** SOP Client Method



## Residual Solvents

**PASSED**

| Solvents | LOD | Units | Action Level | Pass/Fail | Result |
|---|---|---|---|---|---|
| PROPANE | 500 | ppm | 2100 | PASS | ND |
| BUTANES (N-BUTANE) | 500 | ppm | 2000 | PASS | ND |
| METHANOL | 25 | ppm | 3000 | PASS | ND |
| ETHYLENE OXIDE | 0.5 | ppm | 5 | PASS | ND |
| PENTANES (N-PENTANE) | 75 | ppm | 5000 | PASS | ND |
| ETHANOL | 500 | ppm | 5000 | PASS | 2581.0508 |
| ETHYL ETHER | 50 | ppm | 5000 | PASS | ND |
| 1,1-DICHLOROETHENE | 0.8 | ppm | 8 | PASS | ND |
| ACETONE | 75 | ppm | 5000 | PASS | ND |
| 2-PROPANOL | 50 | ppm | 500 | PASS | ND |
| ACETONITRILE | 6 | ppm | 410 | PASS | ND |
| DICHLOROMETHANE | 12.5 | ppm | 600 | PASS | ND |
| N-HEXANE | 25 | ppm | 290 | PASS | ND |
| ETHYL ACETATE | 40 | ppm | 5000 | PASS | ND |
| CHLOROFORM | 0.2 | ppm | 60 | PASS | ND |
| BENZENE | 0.1 | ppm | 2 | PASS | ND |
| 1,2-DICHLOROETHANE | 0.2 | ppm | 5 | PASS | ND |
| HEPTANE | 500 | ppm | 5000 | PASS | ND |
| TRICHLOROETHYLENE | 2.5 | ppm | 80 | PASS | ND |
| TOLUENE | 15 | ppm | 890 | PASS | ND |
| TOTAL XYLENES - M, P & O - DIMETHYLBENZENE | 15 | ppm | 2170 | PASS | ND |

**Analyzed by:** NA
**Weight:**
**Extraction date:** NA
**Extracted by:** NA

**Analysis Method :** SOP.T.40.032
**Analytical Batch :** KN002540SOL
**Instrument Used :** E-SHI-106 Residual Solvents
**Running on :**

**Reviewed On :** 06/16/22 12:58:28
**Batch Date :** 06/15/22 12:11:48

**Dilution :** 1
**Reagent :**
**Consumables :** R2017.120; G201.126
**Pipette :**

Residual solvents analysis is performed using GC-MS which can detect below single digit ppm concentrations. Currently we analyze for 22 residual solvents. (Method: SOP.T.40.032 Residual Solvents Analysis via GC-MS). *Based on FL action limits.



**Sue Ferguson**
Lab Director
State License # n/a
ISO Accreditation # 17025:2017

Signature

06/24/22
Signed On

10427 Cogdill Road, Suite 500
Knoxville, TN, 37932, US
**DEA Number:** RK0595249

**Kaycha Labs**
HHC
N/A
Matrix : Edible

# Certificate of Analysis

**PASSED**

**High Harvest Hemp Company LLC**

6281 NC 125
Oak City, NC, 27857, US
**Telephone:** 2527997017
**Email:** highharvesthempcollc@gmail.com

**Sample : KN20614010-001**
**Harvest/Lot ID: 001**
**Batch# :** 001
**Sampled :** 06/09/22
**Ordered :** 06/09/22

**Sample Size Received :** 40 gram
**Total Batch Size :** N/A
**Completed :** 06/24/22 **Expires:** 06/24/23
**Sample Method :** SOP Client Method



## Microbial — PASSED

| Analyte | LOD | Units | Result | Pass / Fail | Action Level |
|---|---|---|---|---|---|
| LISTERIA MONOCYTOGENE | | | Not Present | PASS | |
| ESCHERICHIA COLI SHIGELLA SPP | | | Not Present | PASS | |
| SALMONELLA SPECIFIC GENE | | | Not Present | PASS | |
| ASPERGILLUS FLAVUS | | | Not Present | PASS | |
| ASPERGILLUS FUMIGATUS | | | Not Present | PASS | |
| ASPERGILLUS NIGER | | | Not Present | PASS | |
| ASPERGILLUS TERREUS | | | Not Present | PASS | |

**Analyzed by:** 1692, 1, 12 **Weight:** 1.0076g **Extraction date:** 06/20/22 10:36:09 **Extracted by:** 1692

**Analysis Method :** SOP.T.40.043
**Analytical Batch :** KN002555MIC
**Instrument Used :** Micro E-HEW-069
**Running on :** 06/21/22 08:02:06
**Reviewed On :** 06/22/22 17:01:48
**Batch Date :** 06/20/22 10:30:35

**Dilution :** 1
**Reagent :** 051922.02; 031022.02; 122021.04
**Consumables :** 190215119C
**Pipette :**

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.

## Mycotoxins — PASSED

| Analyte | LOD | Units | Result | Pass / Fail | Action Level |
|---|---|---|---|---|---|
| AFLATOXIN G2 | 0.002 | ppm | ND | PASS | 0.02 |
| AFLATOXIN G1 | 0.002 | ppm | ND | PASS | 0.02 |
| AFLATOXIN B2 | 0.002 | ppm | ND | PASS | 0.02 |
| AFLATOXIN B1 | 0.002 | ppm | ND | PASS | 0.02 |
| OCHRATOXIN A+ | 0.002 | ppm | ND | PASS | 0.02 |
| TOTAL MYCOTOXINS | 0.002 | ppm | ND | PASS | 0.02 |

**Analyzed by:** 1, 12 **Weight:** 33g **Extraction date:** NA **Extracted by:** NA

**Analysis Method :** SOP.T.30.060, SOP.T.40.060
**Analytical Batch :** KN002573MYC
**Instrument Used :** E-SHI-125 Mycotoxins
**Running on :**
**Reviewed On :** 06/22/22 15:43:41
**Batch Date :** 06/22/22 14:36:51

**Dilution :**
**Reagent :** aflatoxin_g2; aflatoxin_g1; aflatoxin_b2; aflatoxin_b1; ochratoxin_a; total_mycotoxins
**Consumables :** 0.02; 0.02; 0.02; 0.02; 0.02; 0.02
**Pipette :**

Aflatoxins B1, B2, G1, G2, and Ochratoxins A testing using LC-MS. (Method: SOP.T.30.060 for Sample Preparation and SOP.T40.065 Procedure for Mycotoxins Quantification Using LCMSMS. LOQ 5.0 ppb). *Based on FL action limits.

## Heavy Metals — PASSED

| Metal | LOD | Units | Result | Pass / Fail | Action Level |
|---|---|---|---|---|---|
| ARSENIC-AS | 0.02 | ppm | ND | PASS | 1.5 |
| CADMIUM-CD | 0.02 | ppm | ND | PASS | 0.5 |
| MERCURY-HG | 0.02 | ppm | ND | PASS | 3 |
| LEAD-PB | 0.02 | ppm | <0.1 | PASS | 0.5 |

**Analyzed by:** 12 **Weight:** 33g **Extraction date:** NA **Extracted by:** NA

**Analysis Method :** SOP.T.40.050, SOP.T.30.052
**Analytical Batch :** KN002543HEA
**Instrument Used :** Metals ICP/MS
**Running on :**
**Reviewed On :** 06/20/22 17:44:49
**Batch Date :** 06/15/22 16:26:34

**Dilution :** 1
**Reagent :**
**Consumables :**
**Pipette :**

Heavy Metals screening is performed using ICP-MS (Inductively Coupled Plasma – Mass Spectrometer) which can screen down to single digit ppb concentrations for regulated heavy metals using Method SOP.T.30.082 Sample Preparation for Heavy Metals Analysis via ICP-MS and SOP.T.40.082TN Heavy Metals Analysis via ICP-MS.



**Sue Ferguson**
Lab Director

State License # n/a
ISO Accreditation # 17025:2017

Signature

06/24/22
Signed On

10427 Cogdill Road, Suite 500
Knoxville, TN, 37932, US
**DEA Number:** RK0595249

**Kaycha Labs**
HHC
N/A
Matrix : Edible

# Certificate of Analysis

**PASSED**



**High Harvest Hemp Company LLC**

6281 NC 125
Oak City, NC, 27857, US
**Telephone:** 2527997017
**Email:** highharvesthempcollc@gmail.com

**Sample : KN20614010-001**
**Harvest/Lot ID: 001**
**Batch# :** 001
**Sampled :** 06/09/22
**Ordered :** 06/09/22

**Sample Size Received :** 40 gram
**Total Batch Size :** N/A
**Completed :** 06/24/22 **Expires:** 06/24/23
**Sample Method :** SOP Client Method

## Filth/Foreign Material — PASSED

| Analyte | LOD | Units | Result | P/F | Action Level |
|---|---|---|---|---|---|
| Filth and Foreign Material | 1 | detect/g | ND | PASS | 3 |

| Analyzed by: | Weight: | Extraction date: | Extracted by: |
|---|---|---|---|
| 1692 | 0.5097g | 06/20/22 11:04:40 | 1692 |

**Analysis Method :** SOP.T.30.074, SOP.T.40.074
**Analytical Batch :** KN002558FIL
**Instrument Used :** E-AMS-138 Microscope
**Running on :**
**Reviewed On :** 06/20/22 12:05:43
**Batch Date :** 06/20/22 10:46:17

**Dilution :** 1
**Reagent :**
**Consumables :**
**Pipette :**

This includes but is not limited to hair, insects, feces, packaging contaminants, and manufacturing waste and by-products. A SW-2T13 Stereo Microscope is use for inspection.



**Sue Ferguson**
Lab Director
State License # n/a
ISO Accreditation # 17025:2017

Signature

06/24/22
Signed On