



Certificate of Analysis

Sample: KN10430004-001
Harvest/Lot ID: 21-020
Seed to Sale #N/A
Batch Date : 04/29/21
Batch#: 001
Sample Size Received: 30 gram
Total Weight/Volume: N/A
Retail Product Size: 1 ml
Ordered : 04/29/21
sampled : 04/29/21
Completed: 05/07/21 Expires: 05/07/22
Sampling Method: SOP Client Method

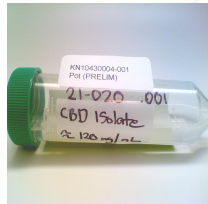
May 07, 2021 | Sir Hemp Co.

640 Clematis Street
West Palm Beach, FL, 33402, US



PASSED
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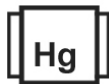
PRODUCT IMAGE



SAFETY RESULTS



Pesticides
PASSED



Heavy Metals
PASSED



Microbials
PASSED



Mycotoxins
PASSED



Residuals Solvents
PASSED



Filtration
PASSED



Water Activity
NOT TESTED



Moisture
NOT TESTED



Terpenes
NOT TESTED

MISC.

CANNABINOID RESULTS



Total THC
0.000%
TOTAL THC :0.000 mg/mL



Total CBD
12.590%
TOTAL CBD :120.872 mg/mL



Total Cannabinoids
12.644%
Total Cannabinoids :121.384 mg/mL

| | CBDV | CBDA | CBGA | CBG | CBD | THCV | CBN | D9-THC | D8-THC | CBC | THCA |
|------|--------|--------|--------|--------|----------|--------|--------|--------|--------|--------|--------|
| % | 0.0530 | ND | <0.010 | <0.010 | 12.5900 | ND | ND | <0.010 | ND | <0.010 | ND |
| mg/g | 0.5300 | ND | <0.010 | <0.010 | 125.9000 | ND | ND | <0.010 | ND | <0.010 | ND |
| LOD | 0.0010 | 0.0010 | 0.0010 | 0.0010 | 0.0010 | 0.0010 | 0.0010 | 0.0010 | 0.0010 | 0.0010 | 0.0010 |
| % | % | % | % | % | % | % | % | % | % | % | % |

Filtration PASSED

| Analyzed By | Weight | Extraction date | Extracted By |
|---------------------------------|---------|-----------------|--------------|
| 142 | 0.5490g | NA | NA |
| Analyte | | | LOD |
| Filtration and Foreign Material | | | 0.3 |
| | | | Result |
| | | | ND |

Analysis Method -SOP.T.40.013 Batch Date : 05/05/21 16:42:20
Analytical Batch -KN000834FIL Reviewed On - 05/06/21 09:50:05
Instrument Used : E-AMS-138 Microscope

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

Cannabinoid Profile Test

| Analyzed by | Weight | Extraction date : | Extracted By : |
|-------------|--------|-------------------|----------------|
| 113 | 0.212g | 05/03/21 11:05:46 | 946 |

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.
Reviewed On - 05/04/21 10:42:15
Batch Date : 05/03/21 08:58:08
Analytical Batch -KN000820POP Instrument Used : HPLC E-SHI-008

| Reagent | Dilution | Consums. ID |
|--|----------|---------------------------|
| 120320.R02 042921.R01 041621.R02 | 40 | 94789291.217 200331059 |

Full spectrum cannabinoid analysis utilizing High Performance Liquid Chromatography with UV detection (HPLC-UV). (Method: SOP.T.30.050 for sample prep and Shimadzu High Sensitivity Method SOP.T.40.020 for analysis.) *Based on FL action limits.

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

Sue Ferguson
Signature

05/07/2021
Signed On



Certificate of Analysis

PASSED

640 Clematis Street
West Palm Beach, FL, 33402, US
Telephone: 8008365820
Email: admin@sirhempco.com

Sample : KN10430004-001
Harvest/LOT ID: 21-020

Batch# : 001
Sampled : 04/29/21
Ordered : 04/29/21

Sample Size Received : 30 gram
Total Weight/Volume : N/A
Completed : 05/07/21 Expires: 05/07/22
Sample Method : SOP Client Method


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Pesticides

PASSED

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



Pesticides

PASSED

| | | | |
|---|--------------------------|--|---|
| Analyzed by 143 <small>Analysis Method - SOP.T.30.060, SOP.T.40.060 , Analytical Batch - KN000837PES</small> | Weight 1.0054g | Extraction date 05/06/21 10:05:20 | Extracted By 143 <small>Reviewed On- 05/06/21 09:50:05</small> |
| <small>Instrument Used : E-SHI-125 Pesticides Running On : 05/06/21 16:09:46</small> | | <small>Batch Date : 05/06/21 10:00:00</small> | |
| Reagent <small>042021.A01 042321.A03 050521.A05 050521.A06</small> | Dilution 10 | Consums. ID <small>P7364369 94789291.217</small> | |

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.T.40.060 Procedure for Pesticide Quantification Using LCMS). Analytes ISO pending. *Based on FL action limits. *

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

Sue Ferguson
Signature

05/07/2021
Signed On



Certificate of Analysis

PASSED

640 Clematis Street
West Palm Beach, FL, 33402, US
Telephone: 8008365820
Email: admin@sirhempco.com

Sample : KN10430004-001
Harvest/LOT ID: 21-020

Batch# : 001
Sampled : 04/29/21
Ordered : 04/29/21


Sample Size Received : 30 gram
Total Weight/Volume : N/A
Completed : 05/07/21 Expires: 05/07/22
Sample Method : SOP Client Method

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Residual Solvents

PASSED



Residual Solvents

PASSED

| Solvent | LOD | Units | Action Level (PPM) | 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 | ND |
| 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 | | PASS | ND |

Analyzed by 138 **Weight** 0.02779g **Extraction date** 05/05/21 12:05:03 **Extracted By** 138
Analysis Method -SOP.T.40.032
Analytical Batch -KN000830SOL **Reviewed On - 05/06/21 09:54:53**
Instrument Used : E-SHI-106 Residual Solvents
Running On : 05/05/21 16:06:05
Batch Date : 05/05/21 09:22:32

| Reagent | Dilution | Consums. ID |
|--|----------|-------------|
| Residual solvents screening 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). Analytes ISO pending. *Based on FL action limits. | | |

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

Sue Ferguson
Signature

05/07/2021
Signed On



Certificate of Analysis

PASSED


640 Clematis Street
West Palm Beach, FL, 33402, US
Telephone: 8008365820
Email: admin@sirhempco.com

Sample : KN10430004-001
Harvest/LOT ID: 21-020

Batch# : 001
Sampled : 04/29/21
Ordered : 04/29/21

Sample Size Received : 30 gram
Total Weight/Volume : N/A
Completed : 05/07/21 Expires: 05/07/22
Sample Method : SOP Client Method

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Microbials
PASSED

| Analyte | LOD | Result |
|-------------------------------|-----|------------------------|
| ESCHERICHIA_COLI_SHIGELLA_SPP | | not present in 1 gram. |
| SALMONELLA_SPECIFIC_GENE | | not present in 1 gram. |
| ASPERGILLUS_FLAVUS | | not present in 1 gram. |
| ASPERGILLUS_FUMIGATUS | | not present in 1 gram. |
| ASPERGILLUS_NIGER | | not present in 1 gram. |
| ASPERGILLUS_TERREUS | | not present in 1 gram. |

Analysis Method -SOP.T.40.043
Analytical Batch -KN000831MIC Batch Date : 05/05/21
Instrument Used : Micro E-HEW-069
Running On : 05/05/21

| Analyzed by | Weight | Extraction date | Extracted By |
|-------------|---------|-----------------|--------------|
| 142 | 0.9943g | NA | NA |

Reagent

040921.01
041621.03
112020.04
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 | Action Level (PPM) |
|------------------|-------|-------|--------|--------------------|
| AFLATOXIN G2 | 0.002 | ppm | ND | 0.02 |
| AFLATOXIN G1 | 0.002 | ppm | ND | 0.02 |
| AFLATOXIN B2 | 0.002 | ppm | ND | 0.02 |
| AFLATOXIN B1 | 0.002 | ppm | ND | 0.02 |
| OCHRATOXIN A+ | 0.002 | ppm | ND | 0.02 |
| TOTAL MYCOTOXINS | | ppm | 0.000 | |

Analysis Method -SOP.T.30.060, SOP.T.40.060
Analytical Batch -KN000839MYC | Reviewed On - 05/07/21 08:53:48
Instrument Used : E-SHI-125 Mycotoxins
Running On : 05/06/21 16:09:54
Batch Date : 05/06/21 11:14:52

| Analyzed by | Weight | Extraction date | Extracted By |
|-------------|---------|-------------------|--------------|
| 143 | 1.0054g | 05/06/21 03:05:43 | 143 |

Aflatoxins B1, B2, G1, G2, and Ochratoxins A testing using LC-MS. (Method: SOP.T.30.060 for Sample Preparation and SOP.T.40.060 Procedure for Mycotoxins Quantification Using LCMS. LOQ 1.0 ppb). Total Aflatoxins (Aflatoxin B1, B2, G1, G2) must be <20µg/Kg. Ochratoxins must be <20µg/Kg. Analytes ISO pending. *Based on FL action limits.



Heavy Metals
PASSED

| Reagent | Dilution | Consums. ID |
|------------|----------|--------------|
| 040521.R20 | 50 | 7285/0030023 |
| 040521.R03 | | 210117060 |
| 040521.R04 | | |

| Metal | LOD | Unit | Result | Action Level (PPM) |
|------------|------|------|--------|--------------------|
| ARSENIC-AS | 0.02 | ppm | ND | 1.5 |
| CADMIUM-CD | 0.02 | ppm | ND | 0.5 |
| MERCURY-HG | 0.02 | ppm | ND | 3 |
| LEAD-PB | 0.02 | ppm | ND | 0.5 |

| Analyzed by | Weight | Extraction date | Extracted By |
|-------------|---------|-------------------|--------------|
| 12 | 0.2656g | 05/06/21 04:05:41 | 12 |

Analysis Method -SOP.T.40.050, SOP.T.30.052
Analytical Batch -KN000833HEA | Reviewed On - 05/05/21 16:11:28
Instrument Used : Metals ICP/MS
Running On :
Batch Date : 05/05/21 10:19:05

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. Analytes ISO Pending. *Based on FL action limits.

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