



# Certificate of Analysis

Sample: KN20407005-001  
Harvest/Lot ID: 22-FS-G-01

Batch#: 001

Seed to Sale# N/A

Batch Date: 04/05/22

Sample Size Received: 7 units

Total Weight/Volume: N/A

Retail Product Size: 10 units

ordered : 04/05/22

sampled : 04/05/22

Completed: 04/25/22



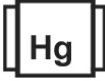







Sampling Method: SOP Client Method




**PASSED**

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Apr 25, 2022 | Sir Hemp Co.  
640 Clematis Street  
West Palm Beach, FL, 33402, US



PRODUCT IMAGE	SAFETY RESULTS							MISC.				
	 Pesticides <b>PASSED</b>	 Heavy Metals <b>PASSED</b>	 Microbials <b>PASSED</b>	 Mycotoxins <b>PASSED</b>	 Residuals Solvents <b>PASSED</b>	 Filtration <b>PASSED</b>	 Water Activity NOT TESTED	 Moisture NOT TESTED	 Terpenes NOT TESTED	<b>PASSED</b>		

Total THC		Total CBD		Total Cannabinoids	
	<b>0.247%</b>		<b>ND</b>		<b>0.2583%</b>

Cannabinoid Profile Test												
TOTAL THC	TOTAL CBD	TOTAL CBG	CBDV	CBDA	CBGA	CBG	CBD	THCV	CBN	EXO-THC	D8-THC	D9-THC
0.247	ND	0.0113	ND	ND	ND	0.0113	ND	<0.01	<0.01	ND	0.247	ND
mg/unit	ND	1.13	ND	ND	ND	1.13	ND	<1	<1	ND	24.7	ND
LOD	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.001	0.001
%	%	%	%	%	%	%	%	%	%	%	%	%

Filtration					
Analyte	LOD	Units	Result	P/F	Action Level
Filtration and Foreign Material	0.3	detecting	NO	Pass	3
Analized By	Weight	Extraction date	Extracted By		
136	0.5508g	04/18/22	1692		
Analysis Method	SOP.T.40.013	Batch Date	04/18/22 10:04:42		
Analytical Batch	-KN002276FL	Reviewed On	04/18/22 16:47:49		
Instrument Used	E-40FS-138 Microscope				
Running On :	This includes but is not limited to hair, insects, feces, packaging contaminants, and manufacturing waste and by-products. A SW-213 Stereo Microscope is use for inspection.				

**Cannabinoid Profile Test**  
 Analyzed by: 113  
 Weight: 0.2039g  
 Extraction date: 04/11/22 03:04:12  
 Reviewed On: 04/11/22 16:23:24  
 Batch Date: 04/07/22 14:05:46  
 Extracted By: 113  
 Analysis Method - Expanded Measurement of Uncertainty: Flower Matrix d8-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 - KN002230POT Instrument Used : HPLC E-SHI-008 Running On :  
 Dilution : 40  
 Reagent : 081321.R04; 040622.R03; 040622.R04  
 Consumables : 947.271; 200331059  
 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.

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

*Sue Ferguson*  
Signature

04/25/22  
Signed On



# Certificate of Analysis

**PASSED**

Sir Hemp Co.

Sample : KN20407005-001  
Harvest/Lot ID: 22-FS-G-01

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

Batch# : 001  
Sampled : 04/05/22  
Ordered : 04/05/22

Sample Size Received : 7 units  
Total Weight/Volume : N/A  
Completed : 04/25/22 Expires: 04/25/23  
Sample Method : SOP Client Method

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## Pesticides

**PASSED**

Pesticides	LOD	Units	Action Level	Pass/Fail	Result	Pesticides	LOD	Units	Action Level	Pass/Fail	Result
ABAMECTIN B1A	0.01	ppm	0.3	PASS	ND	PIPERONYL BUTOXIDE	0.01	ppm	3	PASS	ND
ACEPHATE	0.01	ppm	3	PASS	ND	PRALLETHRIN	0.01	ppm	0.4	PASS	ND
ACEQUINOCYL	0.01	ppm	2	PASS	ND	PROPICONAZOLE	0.01	ppm	1	PASS	ND
ACETAMIPRID	0.01	ppm	3	PASS	ND	PROPOXUR	0.01	ppm	0.1	PASS	ND
ALDICARB	0.01	ppm	0.1	PASS	ND	PYRETHRINS	0.01	ppm	1	PASS	ND
AZOXYSTROBIN	0.01	ppm	3	PASS	ND	PYRIDABEN	0.01	ppm	3	PASS	ND
BIFENAZATE	0.01	ppm	3	PASS	0.7485	SPINETORAM	0.01	ppm	3	PASS	ND
BIFENTHRIN	0.01	ppm	0.5	PASS	ND	SPIROMESIFEN	0.01	ppm	3	PASS	ND
BOSCALID	0.01	ppm	3	PASS	ND	SPIROTETRAMAT	0.01	ppm	3	PASS	ND
CARBARYL	0.01	ppm	0.5	PASS	ND	SPIROXAMINE	0.01	ppm	0.1	PASS	ND
CARBOFURAN	0.01	ppm	0.1	PASS	ND	TEBUCONAZOLE	0.01	ppm	1	PASS	ND
CHLORANTRANILIPROLE	0.01	ppm	3	PASS	ND	THIACLOPRID	0.01	ppm	0.1	PASS	ND
CHLORMEQUAT CHLORIDE	0.01	ppm	3	PASS	ND	THIAMETHOXAM	0.01	ppm	1	PASS	ND
CHLORPYRIFOS	0.01	ppm	0.1	PASS	ND	TOTAL SPINOSAD	0.01	ppm	3	PASS	ND
CLOFENTEZINE	0.01	ppm	0.5	PASS	ND	TRIFLOXYSTROBIN	0.01	ppm	3	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	<0.05						
FIPRONIL	0.01	ppm	0.1	PASS	ND						
FLONICAMID	0.01	ppm	2	PASS	ND						
FLUDIOXONIL	0.01	ppm	3	PASS	<0.05						
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	<0.05						
METALAXYL	0.01	ppm	3	PASS	ND						
METHIOCARB	0.01	ppm	0.1	PASS	ND						
METHOMYL	0.01	ppm	0.1	PASS	<0.05						
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						



## Pesticides

**PASSED**

Analysis Method -SOP.T.30.060, SOP.T.40.060  
 Analytical Batch -KN002291PES  
 Instrument Used : E-SHI-125 Pesticides  
 Running on :  
 Reviewed On : 04/21/22 17:05:03  
 Batch Date : 04/20/22 10:23:51

Analyzed by: 136	Weight: 7g	Extraction date: NA	Extracted by: NA
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Dilution : 1  
 Reagent :  
 Consumables :

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.

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**Sue Ferguson**

Lab Director

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

*Sue Ferguson*  
Signature

04/25/22

Signed On



# Certificate of Analysis

**PASSED**

Sir Hemp Co.

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

 Sample : KN20407005-001  
 Harvest/Lot ID: 22-FS-G-01

 Batch# : 001  
 Sampled : 04/05/22  
 Ordered : 04/05/22

 Sample Size Received : 7 units  
 Total Weight/Volume : N/A  
 Completed : 04/25/22 Expires: 04/25/23  
 Sample Method : SOP Client Method

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## Residual Solvents

PASSED

Solvent	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	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	2170	PASS	ND



## Residual Solvents

PASSED

Analyzed by 136	Weight 0.02305g	Extraction date 04/20/22 12:04:04	Extracted By 138
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Analysis Method -SOP.T.40.032

Analytical Batch -KN002280SOL

Instrument Used : E-SHI-106 Residual Solvents

Running On :

Batch Date : 04/19/22 08:37:29

Reviewed On - 04/25/22 10:57:26

Dilution : 1

Reagent :

Consumables :

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.



# Certificate of Analysis

**PASSED**
**Sir Hemp Co.**

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

**Sample : KN20407005-001**  
**Harvest/Lot ID: 22-FS-G-01**
**Batch# : 001**  
**Sampled : 04/05/22**  
**Ordered : 04/05/22**
**Sample Size Received : 7 units**  
**Total Weight/Volume : N/A**  
**Completed : 04/25/22 Expires: 04/25/23**  
**Sample Method : SOP Client Method**
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	<b>Microbials</b>	<b>PASSED</b>		<b>Mycotoxins</b>	<b>PASSED</b>
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Analyte	LOD	Unit	Result	Pass / Fail	Action Level
LISTERIA MONOCYTOGENE	2000	RFU	ND	PASS	2000
ESCHERICHIA COLI SHIGELLA SPP	1726	RFU	ND	PASS	1726
SALMONELLA SPECIFIC GENE	10000	RFU	ND	PASS	10000
ASPERGILLUS FLAVUS	10000	RFU	ND	PASS	10000
ASPERGILLUS FUMIGATUS	10000	RFU	ND	PASS	10000
ASPERGILLUS NIGER	10000	RFU	ND	PASS	10000
ASPERGILLUS TERREUS	10000	RFU	ND	PASS	10000

**Analysis Method - SOP.T.40.043**  
**Analytical Batch - KN002281MIC**  
**Instrument Used : Micro E-HEW-069**  
**Running on :**
**Reviewed On : 04/25/22 10:57:06**  
**Batch Date : 04/19/22 08:47:28**

<b>Analyzed by:</b> 136	<b>Weight:</b> 1.0267g	<b>Extraction date:</b> NA	<b>Extracted by:</b> NA
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**Dilution : 1**  
**Reagent : 030121.01; 121721.06; 122021.01**  
**Consumables :**

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.

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

**Analysis Method -SOP.T.30.060, SOP.T.40.060**
**Analytical Batch -KN002292MYC | Reviewed On - 04/21/22 18:42:23**
**Instrument Used :**
**Running On : | Batch Date : 04/20/22 10:24:21**

<b>Analyzed by</b> 136	<b>Weight</b> 7g	<b>Extraction date</b> NA	<b>Extracted By</b> NA
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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.

	<b>Heavy Metals</b>	<b>PASSED</b>
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Metal	LOD	Unit	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	ND	PASS	0.5

<b>Analyzed by</b> 136	<b>Weight</b> 7g	<b>Extraction date</b> NA	<b>Extracted By</b> NA
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**Analysis Method -SOP.T.40.050, SOP.T.30.052**
**Analytical Batch -KN002275HEA | Reviewed On - 04/20/22 12:02:06**
**Instrument Used : Metals ICP/MS**
**Running On : | Batch Date : 04/18/22 08:57:12**
**Dilution : 1**  
**Reagent : 121421.04; 011022.R08; 020422.R07; 011022.R07**  
**Consumables : 107702-05-081520; 12235-110CD-110C**

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.