



Certificate of Analysis

Sample:KN31221004-002
Harvest/Lot ID: 071223A
Batch#: 071223A
Batch Date: 12/18/23
Sample Size Received: 54 gram
Retail Product Size: 4 gram
Ordered : 12/18/23
Sampled : 12/18/23
Completed: 12/22/23

PASSED

Page 1 of 5

Dec 22, 2023 | Haygood Farms

164 West 31ST Suite 106
Chattanooga, TN, 37410, US

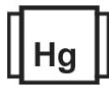
PRODUCT IMAGE



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.



Potency

PASSED



Total THC
0.0241%



Total CBD
0.7302%



Total Cannabinoids
0.9697%

	CBDVA	CBDV	CBDA	CBGA	CBG	CBD	D9-THCV	D8-THCV	CBN	D9-THC	D8-THC	D10-THC	CBC	THCA
%	<0.01	<0.01	ND	ND	0.0154	0.7302	ND	ND	0.1618	0.0241	<0.01	ND	0.0382	ND
mg/g	<0.1	<0.1	ND	ND	0.154	7.302	ND	ND	1.618	0.241	<0.1	ND	0.382	ND
LOD	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%

Analyzed by: 2657 Weight: 0.205g Extraction date: 12/21/23 11:12:14 Extracted by: 2657

Analysis Method : SOP.T.30.031.TN & SOP.T.40.031.TN Expanded Measurement of Uncertainty: Flower Matrix d9-THC: ± 0.100, THCa: ± 0.124, TOTAL THC ± 0.112. 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 : KN004400POT
Instrument Used : E-SHI-008
Running on : N/A

Reviewed On : 12/22/23 11:16:57
Batch Date : 12/20/23 12:29:26

Dilution : N/A
Reagent : 112823.R01; 120823.R01; 122023.R01; 110223.O4
Consumables : 302110210; K130252j; 22/04/01; B9291.100; 230105059D; 1008702218; EE154-US; 947.100; GD220011; 0000257576; 1350331; 6121219; 600185; P250.100
Pipette : E-EPP-081; E-VWR-120; E-VWR-121; E-VWR-122

Full spectrum cannabinoid analysis utilizing High Performance Liquid Chromatography with UV/PDA detection (HPLC-UV/PDA). All cannabinoids have an LOQ of 0.01%.

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Sue Ferguson
Lab Director

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

Sue Ferguson
Signature

12/22/23

Signed On



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Haygood Farms

Sample : KN31221004-002

Harvest/Lot ID: 071223A

164 West 31ST Suite 106
Chattanooga, TN, 37410, US
Telephone: (423) 991-8884

Batch# : 071223A

Sample Size Received : 54 gram

Completed : 12/22/23 Expires: 12/22/24

Email: jimmy@haygoodfarms.com

Sampled : 12/18/23

Ordered : 12/18/23

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Pesticides

PASSED

Pesticide	LOD	Units	Action Level	Pass/Fail	Result	Pesticide	LOD	Units	Action Level	Pass/Fail	Result
ABAMECTIN B1A	0.012	ppm	0.3	PASS	ND	PIPERONYL BUTOXIDE	0.006	ppm	3	PASS	ND
ACEPHATE	0.008	ppm	3	PASS	ND	PRALLETHRIN	0.008	ppm	0.4	PASS	ND
ACEQUINOCYL	0.038	ppm	2	PASS	ND	PROPICONAZOLE	0.007	ppm	1	PASS	ND
ACETAMIPRID	0.009	ppm	3	PASS	ND	PROPOXUR	0.008	ppm	0.1	PASS	ND
ALDICARB	0.009	ppm	0.1	PASS	ND	PYRETHRINS	0.002	ppm	1	PASS	ND
AZOXYSTROBIN	0.013	ppm	3	PASS	ND	PYRIDABEN	0.007	ppm	3	PASS	ND
BIFENAZATE	0.028	ppm	3	PASS	ND	SPINETORAM	0.004	ppm	3	PASS	ND
BIFENTHRIN	0.047	ppm	0.5	PASS	ND	SPIROMESIFEN	0.009	ppm	3	PASS	ND
BOSCALID	0.007	ppm	3	PASS	ND	SPIROTETRAMAT	0.009	ppm	3	PASS	ND
CARBARYL	0.015	ppm	0.5	PASS	ND	SPIROXAMINE	0.006	ppm	0.1	PASS	ND
CARBOFURAN	0.008	ppm	0.1	PASS	ND	TEBUCONAZOLE	0.009	ppm	1	PASS	ND
CHLORANTRANILPROLE	0.012	ppm	1	PASS	ND	THIACLOPRID	0.008	ppm	0.1	PASS	ND
CHLORMEQUAT CHLORIDE	0.008	ppm	3	PASS	ND	THIAMETHOXAM	0.009	ppm	1	PASS	ND
CHLORPYRIFOS	0.014	ppm	0.1	PASS	ND	TOTAL SPINOSAD	0.009	ppm	3	PASS	ND
CLOFENTEZINE	0.006	ppm	0.5	PASS	ND	TRIFLOXYSTROBIN	0.009	ppm	3	PASS	ND
COUMAPHOS	0.009	ppm	0.1	PASS	ND						
CYPERMETHRIN	0.01	ppm	1	PASS	ND	Analized by:	Weight:	Extraction date:	Extracted by:		
DAMINOZIDE	0.006	ppm	0.1	PASS	ND	3050	1.0085g	12/22/23 11:44:31	3050		
DIAZANON	0.006	ppm	0.2	PASS	ND	Analysis Method : SOP.T.30.101.TN, SOP.T.40.101.TN					
DICHLORVOS	0.014	ppm	0.1	PASS	ND	Analytical Batch : KN004403PES			Reviewed On : 12/22/23 14:01:15		
DIMETHOATE	0.009	ppm	0.1	PASS	ND	Instrument Used : E-SHI-125			Batch Date : 12/21/23 09:44:52		
DIMETHOMORPH	0.009	ppm	3	PASS	ND	Running on : N/A					
ETHOPROPHOS	0.007	ppm	0.1	PASS	ND	Dilution : N/A					
ETOFENPROX	0.009	ppm	0.1	PASS	ND	Reagent : 121323.R03; 110623.R02; 112023.R02					
ETOXAZOLE	0.007	ppm	1.5	PASS	ND	Consumables : 302110210; 22/04/01; 220725; B9291.100; 201123-058; 947B9291.271					
FENHEXAMID	0.005	ppm	3	PASS	ND	Pipette : E-VWR-116; E-VWR-117; E-VWR-118; E-VWR-119					
FENOXICARB	0.007	ppm	0.1	PASS	ND	Testing for agricultural agents is performed utilizing Liquid Chromatography with Triple-Quadrupole Mass Spectrometry.					
FENPYROXIMATE	0.006	ppm	2	PASS	ND	*Based on FL action limits.					
FIPRONIL	0.008	ppm	0.1	PASS	ND						
FLONICAMID	0.014	ppm	2	PASS	ND						
FLUDIOXONIL	0.011	ppm	3	PASS	ND						
HEXYTHIAZOX	0.009	ppm	2	PASS	ND						
IMAZALIL	0.01	ppm	0.1	PASS	ND						
IMIDACLOPRID	0.005	ppm	3	PASS	ND						
KRESOXIM-METHYL	0.01	ppm	1	PASS	ND						
MALATHION	0.009	ppm	2	PASS	ND						
METALAXYL	0.008	ppm	3	PASS	ND						
METHIOCARB	0.008	ppm	0.1	PASS	ND						
METHOMYL	0.009	ppm	0.1	PASS	ND						
MEVINPHOS	0.001	ppm	0.1	PASS	ND						
MYCLOBUTANIL	0.006	ppm	3	PASS	ND						
NALED	0.023	ppm	0.5	PASS	ND						
OXAMYL	0.009	ppm	0.5	PASS	ND						
PACLOBUTRAZOL	0.007	ppm	0.1	PASS	ND						
PERMETHRINS	0.008	ppm	1	PASS	ND						
PHOSMET	0.009	ppm	0.2	PASS	ND						

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Sue Ferguson

Lab Director

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

Signature

12/22/23

Signed On



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Haygood Farms

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Chattanooga, TN, 37410, US
Telephone: (423) 991-8884
Email: jimmy@haygoodfarms.com

Sample : KN31221004-002
Harvest/Lot ID: 071223A
Batch# : 071223A
Sampled : 12/18/23
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Sample Size Received : 54 gram
Completed : 12/22/23 Expires: 12/22/24

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Residual Solvents

PASSED

Solvents	LOD	Units	Action Level	Pass/Fail	Result
PROPANE	100	ppm	5000	PASS	ND
BUTANES (N-BUTANE)	100	ppm	5000	PASS	ND
METHANOL	20	ppm	250	PASS	ND
METHYLENE OXIDE	0.2	ppm	5	PASS	ND
PENTANES (N-PENTANE)	32	ppm	750	PASS	ND
ETHANOL	100	ppm	5000	PASS	1461.0212
ETHYL ETHER	10	ppm	500	PASS	ND
1,1-DICHLOROETHENE	0.6	ppm	8	PASS	ND
ACETONE	40	ppm	750	PASS	ND
2-PROPANOL	25	ppm	500	PASS	ND
ACETONITRILE	20	ppm	60	PASS	ND
DICHLOROMETHANE	2	ppm	125	PASS	ND
N-HEXANE	10	ppm	250	PASS	ND
ETHYL ACETATE	11	ppm	400	PASS	ND
CHLOROFORM	0.04	ppm	2	PASS	ND
BENZENE	0.03	ppm	1	PASS	ND
1,2-DICHLOROETHANE	0.05	ppm	2	PASS	ND
HEPTANE	53	ppm	5000	PASS	ND
TRICHLOROETHYLENE	0.5	ppm	25	PASS	ND
TOLUENE	5	ppm	150	PASS	ND
TOTAL XYLENES - M, P & O - DIMETHYLBENZENE	15	ppm	150	PASS	ND

Analyzed by: 3050	Weight: 0.022g	Extraction date: 12/22/23 10:58:09	Extracted by: 3050
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Analysis Method : SOP.T.40.041.TN Analytical Batch : KN004402SOL Instrument Used : E-SHI-106 Running on : N/A	Reviewed On : 12/22/23 15:33:13 Batch Date : 12/21/23 09:43:40
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Dilution : N/A
 Reagent : 100422.02; 081320.01
 Consumables : R2017.167; G201.167
 Pipette : N/A

Residual solvents analysis is performed using Gas Chromatography / Mass Spectrometry. *Based on FL action limits.



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	Microbial	PASSED		Mycotoxins	PASSED
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Analyte	LOD	Units	Result	Pass / Fail	Action Level
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: 2837 Weight: 1.0209g Extraction date: 12/21/23 15:16:00 Extracted by: 2837
 Analysis Method : SOP.T.40.056C, SOP.T.40.041 LOD is 1 CFU
 Analytical Batch : KN004399MIC Reviewed On : 12/21/23 15:48:39
 Instrument Used : E-HEW-069 Batch Date : 12/20/23 09:05:07
 Running on : N/A
 Dilution : N/A
 Reagent : 112823.01; 111523.02; 122222.01
 Consumables : GD220003; 1350331; 22/04/01; 10RWL0315W13; 251773; 242429; P7528255; 41218-146C4-146C; 263989; 93825; n/a; 247040; 0150210
 Pipette : E-THE-045; E-THE-046; E-THE-047; E-THE-048; E-THE-049; E-THE-050; E-THE-051; E-THE-052; E-THE-053; E-THE-054

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. With an LOD of 1cfu, if a pathogenic E Coli, Salmonella, A fumigatus, A flavus, A niger, or A 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	0.0016	ppm	ND	PASS	0.02
AFLATOXIN G1	0.0012	ppm	ND	PASS	0.02
AFLATOXIN B2	0.0012	ppm	ND	PASS	0.02
AFLATOXIN B1	0.0012	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: 3050 Weight: 1.0085g Extraction date: 12/22/23 11:09:47 Extracted by: N/A
 Analysis Method : SOP.T.30.101.TN, SOP.T.40.101.TN
 Analytical Batch : KN004404MYC Reviewed On : 12/22/23 11:05:09
 Instrument Used : E-SHI-125 Batch Date : 12/21/23 09:45:50
 Running on : N/A
 Dilution : N/A
 Reagent : 121323.R03; 110623.R02; 112023.R02
 Consumables : 302110210; 22/04/01; 220725; B9291.100; 201123-058; 94789291.271
 Pipette : E-VWR-116; E-VWR-117; E-VWR-118; E-VWR-119

Aflatoxins B1, B2, G1, G2, and Ochratoxins Mycotoxins testing utilizing Liquid Chromatography with Triple-Quadrupole Mass Spectrometry. *Based on FL action limits.

	Heavy Metals	PASSED
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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	ND	PASS	0.5

Analyzed by: 2837, 3050 Weight: 0.262g Extraction date: 12/22/23 11:28:11 Extracted by: 2837
 Analysis Method : SOP.T.30.082, SOP.T.40.082.TN
 Analytical Batch : KN004401HEA Reviewed On : 12/22/23 15:32:54
 Instrument Used : E-AGI-084 Batch Date : 12/21/23 08:11:40
 Running on : N/A
 Dilution : N/A
 Reagent : 083023.01; 100422.02; 112923.R05; 110823.R02; 101722.05; 110323.06; 081723.R04; 090723.R14; 071323.R26; 101323.R01; 111023.R01; 120523.R11; 120523.R12; 031623.R02; 090723.R15; 101923.01
 Consumables : GD220003; 1350331; 6121219; 600185; 829C6-829B; 221200; A260422A
 Pipette : E-EPP-081; E-EPP-082

Heavy Metals analysis is performed using ICP-MS (Inductively Coupled Plasma - Mass Spectrometer) which can screen down to single digit ppb concentrations. LOQ is 0.04 ppm for all metals. *Based on FL action limits.



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	Filth/Foreign Material	PASSED
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Analyte	LOD	Units	Result	P/F	Action Level
Filth and Foreign Material	1	%	ND	PASS	5

Analyzed by: 2837	Weight: 0.5342g	Extraction date: 12/21/23 15:24:36	Extracted by: 2837
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Analysis Method : SOP.T.40.090
Analytical Batch : KN004398FIL
Instrument Used : E-AMS-138
Running on : N/A
Reviewed On : 12/21/23 15:25:00
Batch Date : 12/20/23 09:03:48

Dilution : N/A
Reagent : N/A
Consumables : 6850215; GD220011; 1350331
Pipette : N/A

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.