



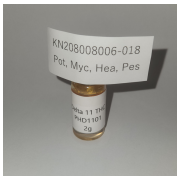
Sample:KN208008006-018  
Harvest/Lot ID: N/A  
Batch#: PHD11001  
Seed to Sale# N/A  
Batch Date: 010/14/22  
Sample Size Received: 2 gram  
Total Batch Size: N/A  
Retail Product Size: 950 mg  
Ordered : 10/17/22  
Sampled : 10/17/22  
Completed: 10/25/22  
Sampling Method: N/A

# Certificate of Analysis

Oct 25, 2022 | Magnolia Hemp Company

**PASSED**  
Page 1 of 1

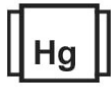
PRODUCT IMAGE



SAFETY RESULTS



Pesticides  
**PASSED**



Heavy Metals  
**PASSED**



Microbials  
**PASSED**



Mycotoxins  
**PASSED**



Mycotoxins  
**PASSED**



Filtth  
**PASSED**



Water Activity  
NOT TESTED



Moisture  
NOT TESTED



Terpenes  
NOT TESTED

MISC.



**Cannabinoid**

**PASSED**



Total THC  
**ND**



Total EXO-THC  
**82.570%**



Total Cannabinoids  
**94.048%**

	CBDV	CBDA	CBGA	CBG	CBD	THCV	CBN	EXO-THC	D9-THC	D8-THC	D10-THC	CBC	THCA	D8-THCO	D9-THCO	THC-O
%	<0.01	<0.01	0.09	ND	<0.01	ND	0.1692	82.5696	ND	11.4786	ND	0.0191	ND	ND	ND	ND
mg/g	<0.1	<0.1	0.9	ND	<0.1	ND	1.692	825.696	ND	114.786	ND	0.191	ND	ND	ND	ND
LOD	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.001	0.001	0.002	0.002	0.002
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%

Analyzed by: 2837, 2692      Weight: 0.2044g      Extraction date: 10/18/22 10:40:05      Extracted by: 2692

Analysis Method : Expanded 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 : KN002747POT

Reviewed On :10/25/22 22:42:08

Instrument Used : HPLC E-SHI-008  
Running on : N/A

Batch Date : 10/14/22 16:22:06

Dilution : N/A  
Reagent : 062422.02; 081321.R04; 071322.R01; 063022.R02; 060622.34  
Consumables : 294033242; n/a; 947B9291.271; 200331059  
Pipette : E-GIL-011; 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.

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**Sue Ferguson**

Lab Director

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



Signature

10/25/22

Signed On



# Certificate of Analysis

**PASSED**
**MAGNOLIA HEMP COMPANY**
**Sample:KN208008006-018**  
**Harvest/Lot ID: N/A**  
**Batch#: PHD1101**  
**Sampled: 10/17/22**  
**Ordered: 10/15/22**
**Sample Size Received: 2.0 gram**  
**Total Batch Size: N/A**  
**Completed:10/25/22 Expires:10/25/23**  
**Sample Method: SOP Client Method**
**Page 2 of 5**


## Pesticides

**PASSED**

Pesticide	LODUnits	Action Level	Pass/Fail	Result	Pesticide	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	ND	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	Analized by:	Weight:	Extraction date:	Extracted by:		
DAMINOZIDE	0.01 ppm	0.1	PASS	ND	2803, 12	0.5072g	N/A	N/A		
DIAZANON	0.01 ppm	0.2	PASS	ND	Analysis Method :	SOP.T.30.060, SOP.T.40.060				
DICHLORVOS	0.01 ppm	0.1	PASS	ND	Analytical Batch :	KN002985PES	Reviewed On :	10/25/22 12:14:28		
DIMETHOATE	0.01 ppm	0.1	PASS	ND	Instrument Used :	E-SHI-125 Pesticides	Batch Date :	10/15/22 15:32:50		
DIMETHOMORPH	0.01 ppm	3	PASS	ND	Running on :	N/A				
ETHOPROPHOS	0.01 ppm	0.1	PASS	ND	Dilution :	0.01				
ETOFENPROX	0.01 ppm	0.1	PASS	ND	Reagent :	N/A				
ETOXAZOLE	0.01 ppm	1.5	PASS	ND	Consumables :	N/A				
FENHEXAMID	0.01 ppm	3	PASS	ND	Pipette :	N/A				
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						

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**Sue Ferguson**

Lab Director

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

Signature

10/25/22

Signed On



# Certificate of Analysis


**PASSED**

MAGNOLIA HEMP COMPANY

**Sample:**KN208008006-18  
**Harvest/Lot ID:**N/A  
**Batch# :**PHD1101  
**Sampled :**10/20/22  
**Ordered :**10/17/22

**Sample Size Received :**2.0 gram  
**Total Batch Size :**N/A  
**Completed:** 10/25/22 **Expires:** 10/25/23  
**Sample Method :** SOP Client Method

**Page 3 of 5**



## 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	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

Analyzed by: N/A	Weight: N/A	Extraction date: N/A	Extracted by: N/A
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Analysis Method : SOP.T.40.032 Analytical Batch : KN002964SQL Instrument Used : E-SHI-106 Residual Solvents Running on : N/A	Reviewed On : 10/25/22 10:37:07 Batch Date : 10/14/22 10:07:56
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Dilution : N/A  
 Reagent : N/A  
 Consumables : G201.100; G201.167  
 Pipette : N/A

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.

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

  
 Signature

10/25/22

Signed On



# Certificate of Analysis

**PASSED**

MAGNOLIA HEMP COMPANY

 Sample:KN208008006-018  
 Harvest/Lot ID:N/A  
 Batch#:PHD1101  
 Sampled: 10/18/22  
 Ordered: 10/17/22

 Sample Size Received :2.0gram  
 Total Batch Size :N/A  
 Completed: 10/25/22 Expires: 10/25/23  
 Sample Method: SOP Client Method

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## Microbial

**PASSED**


## Mycotoxins

**PASSED**

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: <b>2805</b>	Weight: 1.005g	Extraction date: N/A	Extracted by: N/A
Analysis Method : SOP.T.40.043			
Analytical Batch : KN002965MIC			
Instrument Used : Micro E-HEW-069			
Running on : N/A			
Dilution : N/A			
Reagent : 092321.03			
Consumables : 41069-116C4-116B; 242429; P7404184; 250346; 253850; 93825; 005104; n/a; 10RWJ0415W03; P7530724; 470228-424; QJ032G			
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			

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: <b>2803, 12</b>	Weight: 0.5072g	Extraction date: N/A	Extracted by: N/A
Analysis Method : SOP.T.30.060, SOP.T.40.060			
Analytical Batch : KN002996MYC			
Instrument Used : E-SHI-125 Mycotoxins			
Running on : N/A			
Dilution : 0.01			
Reagent : N/A			
Consumables : N/A			
Pipette : N/A			

 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	0.2
CADMIUM-CD	0.02	ppm	ND	PASS	0.2
MERCURY-HG	0.02	ppm	ND	PASS	0.2
LEAD-PB	0.02	ppm	ND	PASS	0.5

Analyzed by: <b>2368, 138, 12</b>	Weight: 0/26g	Extraction date: N/A	Extracted by: N/A
Analysis Method : SOP.T.40.050, SOP.T.30.052			
Analytical Batch : KN002969HEA			
Instrument Used : Metals ICP/MS			
Running on : N/A			
Dilution : 50			
Reagent : N/A			
Consumables : N/A			
Pipette : N/A			

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.

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**Sue Ferguson**

Lab Director

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

Signature

10/25/22

Signed On



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

**Kaycha Labs**  
 Delta 11 Cart, Purple Haze  
 N/A  
 Matrix : Derivative



# Certificate of Analysis

**PASSED**

Magnolia Hemp Company

Sample: KN208008006-018  
 Harvest/Lot ID:N/A  
 Batch#: PHD1101  
 Sampled: 10/18/22  
 Ordered: 10/17/22

Sample Size Received :2.0 gram  
 Total Batch Size :N/A  
 Completed: 10/25/22 Expires: 10/25/23  
 Sample Method: SOP Client Method

Page 5 of 5



**Filth/Foreign Material**

**PASSED**

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

Analyzed by: 2805	Weight: 0.5805g	Extraction date: N/A	Extracted by: N/A
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Analysis Method : SOP.T.30.074, SOP.T.40.074

Analytical Batch : KN002967FIL Reviewed On : 10/25/22 11:48:44

Instrument Used : E-AMS-138 Microscope Batch Date :10/14/22 12:43:25

Running on : N/A

Dilution : N/A

Reagent : N/A

Consumables : N/A

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.

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