



# Certificate of Analysis

Sample: KN20421005-001

Harvest/Lot ID: N/A

Batch#: HHC002

Seed to Sale# N/A

Batch Date: 04/18/22

Sample Size Received: 10 gram

Total Weight/Volume: N/A

Retail Product Size: 950 mg

ordered : 04/19/22

sampled : 04/19/22

Completed: 04/27/22

Sampling Method: SOP Client Method

**PASSED**

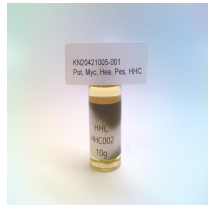
Page 1 of 4

Apr 27, 2022 | Blue Ridge Extractions

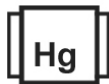
710 Wonderbar Rd  
Clarksburg, WV, 26301, US



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.



**Cannabinoid**

**PASSED**



Total THC  
**ND**



Total HHC  
**98.397%**



Total Cannabinoids  
**98.607%**

	TOTAL THC	TOTAL CBD	TOTAL CBG	CBGV	CBDA	CBGA	CBG	CBD	THCV	CBN	EXO-THC	DB-THC	DB-THC	DLB-THC	CBG	THCA	DB-THCA	DB-THCA	THC-O	95-HHC	98-HHC	TOTAL HHC
%	ND	ND	ND	<0.01	ND	ND	ND	ND	<0.01	0.1843	ND	ND	0.0256	ND	ND	ND	ND	ND	ND	57.4236	40.9733	98.3969
mg/g	ND	ND	ND	<0.1	ND	ND	ND	ND	<0.1	1.843	ND	ND	0.256	ND	ND	ND	ND	ND	ND	574.236	409.733	983.969
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	0.001	0.001	0.001	0.001	0.001	0.001	0.01	0.01	0.01
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%

Analyte	LOD	Units	Result	P/F	Action Level
Filtration	0.3	detect/g	ND	Pass	3

Cannabinoid Profile Test

Analyzed by: 1	Weight: 0.2209g	Extraction date: 04/22/22 11:04:17	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.		Reviewed On - 04/22/22 15:08:20	Batch Date : 04/21/22 08:42:08
Analytical Batch - KN002298POT Instrument Used : HPLC E-5HI-008 Running On :			

Dilution : 40  
Reagent :  
Consumables : 947.271; 12123-046CC-046  
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.

This report shall not be reproduced, unless in its entirety, without written approval from Kaycha Labs. This report is an Kaycha Labs certification. The results relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. Void after 1 year from test end date. Cannabinoid content of batch material may vary depending on sampling error. IC=In-control QC parameter, NC=Non-controlled QC parameter, ND=Not Detected, NA=Not Analyzed, ppm=Parts Per Million, ppb=Parts Per Billion. Limit of Detection (LoD) and Limit of Quantitation (LoQ) are terms used to describe the smallest concentration that can be reliably measured by an analytical procedure. RPD=Reproducibility of two measurements. Action Levels are State determined thresholds for human safety for consumption and/or inhalation. The result >99% are variable based on uncertainty of measurement (UM) for the analyte. The UM error is available from the lab upon request. The "Decision Rule" for the pass/fail does not include the UM. The limits are based on F.S. Rule 64-4.310.

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

*Sue Ferguson*  
Signature

04/27/22  
Signed On



# Certificate of Analysis

**PASSED**

Blue Ridge Extractions

Sample : KN20421005-001  
Harvest/Lot ID: N/A

710 Wonderbar Rd  
Clarksburg, WV, 26301, US  
Telephone: (304) 641-1072  
Email: jordan.m.douglas@gmail.com

Batch# : HHC002  
Sampled : 04/19/22  
Ordered : 04/19/22

Sample Size Received : 10 gram  
Total Weight/Volume : N/A  
Completed : 04/27/22 Expires: 04/27/23  
Sample Method : SOP Client Method

Page 2 of 4



## 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	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						
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						



## Pesticides

PASSED

**Analysis Method** -SOP.T.30.060, SOP.T.40.060  
**Analytical Batch** -KN002303PES  
**Instrument Used** :E-SHI-125 Pesticides  
**Running on** :  
**Analyzed by:** 1      **Weight:** 6g      **Extraction date:** NA      **Extracted by:** NA  
**Dilution** : 1  
**Reagent** : 110521.03; 041522.R04; 041522.R05; 041322.R01  
**Consumables** : 210419634; 294108110; 200721; 947.251  
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.



# Certificate of Analysis

**PASSED**
**Blue Ridge Extractions**

 710 Wonderbar Rd  
 Clarksburg, WV, 26301, US  
 Telephone: (304) 641-1072  
 Email: jordan.m.douglas@gmail.com

**Sample : KN20421005-001**  
**Harvest/Lot ID: N/A**
**Batch# : HHC002**  
**Sampled : 04/19/22**  
**Ordered : 04/19/22**
**Sample Size Received : 10 gram**  
**Total Weight/Volume : N/A**  
**Completed : 04/27/22 Expires: 04/27/23**  
**Sample Method : SOP Client Method**
**Page 3 of 4**



## 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 1	Weight 0.02942g	Extraction date 04/22/22 10:04:39	Extracted By 138
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**Analysis Method -SOP.T.40.032**
**Analytical Batch -KN002299SOL**
**Instrument Used : E-SHI-106 Residual Solvents**
**Running On :**
**Batch Date : 04/21/22 09:30:45**
**Reviewed On - 04/25/22 11:16:10**
**Dilution : 1**
**Reagent :**
**Consumables : R2017.099; G201.120**

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**
**Blue Ridge Extractions**

 710 Wonderbar Rd  
 Clarksburg, WV, 26301, US  
 Telephone: (304) 641-1072  
 Email: jordan.m.douglas@gmail.com

 Sample : KN20421005-001  
 Harvest/Lot ID: N/A  
 Batch# : HHC002  
 Sampled : 04/19/22  
 Ordered : 04/19/22

 Sample Size Received : 10 gram  
 Total Weight/Volume : N/A  
 Completed : 04/27/22 Expires: 04/27/23  
 Sample Method : SOP Client Method

**Page 4 of 4**

	<b>Microbials</b>	<b>PASSED</b>		<b>Mycotoxins</b>	<b>PASSED</b>
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Analyte	LOD	Units	Result	Pass / Fail	Action Level
<b>Analysis Method - SOP.T.40.043</b> <b>Analytical Batch - KN002293MIC</b> <b>Instrument Used : Micro E-HEW-069</b> <b>Running on : 04/22/22 12:47:53</b>					
<b>Reviewed On : 04/20/22 12:38:15</b> <b>Batch Date : 04/20/22 12:38:15</b>					
<b>Analyzed by:</b>	<b>Weight:</b>	<b>Extraction date:</b>	<b>Extracted by:</b>		
NA	0.6034g	04/21/22 09:04:07	1692		
<b>Dilution : 1</b> <b>Reagent : 030121.01; 121721.06; 122021.01</b> <b>Consumables :</b>					

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
<b>Analysis Method -SOP.T.30.060, SOP.T.40.060</b> <b>Analytical Batch -KN002304MYC   Reviewed On - 04/27/22 20:00:20</b> <b>Instrument Used :</b> <b>Running On :   Batch Date : 04/22/22 08:47:37</b>					
<b>Analyzed by</b>	<b>Weight</b>	<b>Extraction date</b>	<b>Extracted By</b>		
12	6g	NA	NA		

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	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
<b>Analyzed by</b>	<b>Weight</b>	<b>Extraction date</b>	<b>Extracted By</b>		
1	0.2955g	04/25/22 06:04:47	12		

**Analysis Method -SOP.T.40.050, SOP.T.30.052**  
**Analytical Batch -KN002308HEA | Reviewed On - 04/26/22 15:25:35**  
**Instrument Used : Metals ICP/MS**  
**Running On : | Batch Date : 04/22/22 11:55:53**

**Dilution : 50**  
**Reagent : 121421.04; 040122.R26; 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.