

Mount Washington, KY, 40047, US

Hemp Company

CANNABINOID RESULTS

SAFETY RESULTS

Pesticides

PASSED

CBD

1.020%

10.200

ma/a

0.01

%

Total THC

0.509%

CBDA

0.582%

5.820

ma/a

0.01

%

1251 Deatsvile Rd. Cox's Creek, KY, 40013, USA

PRODUCT IMAGE

Certificate of Analysis

Dec 08, 2020 | Kentucky Heritage

Heavy Metals

PASSED

Kaycha Labs

309 N/A Matrix: Derivative



Sample:MO01118023-001 Harvest/Lot ID: 309 Seed to Sale #N/A Batch Date :N/A

Batch#: 7 0f 7 Sample Size Received: 12 gram Retail Product Size: 12 Ordered : 11/18/20 Sampled : 11/18/20 Completed: 12/08/20 Expires: 12/08/21 Sampling Method: SOP Client Method

TESTED

Р



MISC.

PASSED



🛞 Filth

KentuckyHeritage Hemp₄Co.

Residuals

Solvents

TESTED

Total CBD

1.531%

Analyzed By	Weight	Extr	raction date	Extracted	Ву
564	NA	NA			NA
Analyte				LOD	Result
Filth and Foreign	Material			0.3	ND
Analysis Metho	d -SOP.T.40	.013	Batch Date :		
Analytical Batc	h -NA		Reviewed On	- 12/08/20 09	:48:18
Instrument Use	d:				
Running On :					

This includes but is not limited to hair, insects, feces, packaging contaminants, and manufacturing wash and by-products. An SH-2B/T Stereo Microscope is use for inspection.

Cannabinoid Profile Test

0.215%

2.150

ma/a

0.01

%

D9-THC THCA

0.321%

3.210

ma/a

0.01

%

LOD

Analyzed by	Weight	Extraction date :	Extracted By :
NA	NA	NA	NA
Analysis Method -SOP.T.40	.020, SOP.T.30.050	Reviewed On - 11/20/20 09:28:26	Batch Date :
Analytical Batch - Instrume	ent Used : Running	On :	

D8-THC THCV

ND

ND

0.01

%

ND

ND

%

0.01

CBN

ND

ND

0.01

%

CBDV

ND

ND

%

0.01

CBC

4.033%

40.330

ma/a

0.01

%

CBG

23.225

232.250

ma/a

0.01

%

CBGA 26.346

263.460

mg/g

0.01

%

Reagent Dilution Consums. ID

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. LOQ for all cannabinoids is 1 mg/L). Measurement of Uncertainty: 2.7%

Microbials

PASSED

Mycotoxins

PASSED

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.

Revision #1 This COA has been revised from the original

David Greene Lab Director

State License # 19-05-02P ISO Accreditation # 17025:2017 #97164

Signature

12/08/2020

Signed On



673 N. Bardstown Rd Mount Washington, KY, 40047, US **Kaycha Labs**

309 N/A Matrix : Derivative



TESTED

Page 2 of 4

Certificate of Analysis

Kentucky Heritage Hemp Company

1251 Deatsvile Rd. Cox's Creek, KY, 40013, USA **Telephone:** 8596211797 **Email:** bobby.gaffney@gmail.com

> R ⊘

Sample : M001118023-001 Harvest/LOT ID: 309 Batch# : 7 0f 7 Sam Sampled : 11/18/20 Com Ordered : 11/18/20 Sam

Sample Size Received : 12 gram Completed : 12/08/20 Expires: 12/08/21 Sample Method : SOP Client Method



Pesticides

ABAMECTIN B1A0.020ppm0.5NDACEEPMATE0.010ppm0.5NDACEQUINOCYL0.02ppm0.5NDACETAMIPRID0.010ppm0.2NDALDICARB0.020ppm0.4NDAZOYSTROBIN0.010ppm0.2NDBIFENTAZATE0.010ppm0.2NDBOSCALID0.005ppm0.4NDCARBARYL0.010ppm0.2NDCARBOFURAN0.010ppm0.2NDCHLORAYTRANILIPROLE0.010ppm0.2NDCHORATRANILIPROLE0.010ppm0.2NDCLOFENTEZINE0.010ppm0.2NDCUMPAPOS0.010ppm0.2NDCUMAPHOS0.010ppm0.2NDDIAZANON0.010ppm0.2NDDIMETHOATE0.010ppm0.2NDDIMETHOATE0.010ppm0.2NDDIMETHOMORPH0.005ppm0.1NDFENPROX0.010ppm0.4NDFENPROX0.010ppm0.4NDFENPROX0.010ppm0.4NDFENPROXIA0.010ppm0.4NDFENPROXIATE0.010ppm0.4NDFENPROXIATE0.010ppm0.4NDFENPROXIA0.010ppm0.4NDFENPROXIHATE0.0	Pesticides	LOD	Units	Action Level	Result
ACEPHATE0.010ppm0.5NDACEQUINOCYL0.02ppm2NDACETAMIPRID0.010ppm0.2NDALDICARB0.020ppm0.4NDAZOXYSTROBIN0.010ppm0.2NDBIFENZATE0.010ppm0.2NDBIFENTHRIN0.010ppm0.2NDCARBARYL0.010ppm0.2NDCARBARYL0.010ppm0.2NDCARBARYL0.010ppm0.2NDCARBARYL0.010ppm0.2NDCHLORANTRANILIPROLE0.010ppm0.2NDCLORPARTES0.010ppm0.2NDCOUMAPHOS0.005ppm0.2NDCOUMAPHOS0.010ppm1NDDAMINOZIDE0.010ppm0.2NDDICHLORVOS0.50ppm0.1NDDICHLORVOS0.50ppm0.1NDDIMETHOMORPH0.00ppm0.2NDETOFENROX0.010ppm0.2NDFENVEXAMID0.010ppm0.4NDFENVEXAMID0.020ppm0.4NDFENVEXAMID0.010ppm0.4NDFENVEXAMID0.010ppm0.4NDFENVEXAMID0.010ppm0.4NDFENVEXAMID0.010ppm0.4NDFENVEXAMID0.010ppm<	ABAMECTIN B1A	0.020	ppm	0.5	ND
ACEQUINOCYL0.02ppm2NDACETAMIPRID0.010ppm0.2NDALDICARB0.020ppm0.4NDAZOYYSTROBIN0.010ppm0.2NDBIFENZAZTE0.010ppm0.2NDBOSCALID0.005ppm0.4NDCARBARVL0.010ppm0.2NDCARBARVL0.010ppm0.2NDCHLORANTRANILIPROLE0.010ppm0.2NDCHLORANTRANILIPROLE0.010ppm0.2NDCUOYAPHOS0.010ppm0.2NDCOUMAPHOS0.010ppm0.2NDCOUMAPHOS0.010ppm1NDDAMINOZIDE0.010ppm1NDDIMETHOATE0.010ppm0.2NDDIMETHOATE0.010ppm0.2NDDIMETHOATE0.010ppm0.2NDETOPRUPROS0.010ppm0.2NDETOPROPHOS0.010ppm0.2NDETOPROPHOS0.010ppm0.4NDETOPAZOLE0.010ppm0.4NDFENNEXXIMATE0.010ppm0.4NDFENNEXXIMATE0.010ppm0.4NDFENNEXXIMATE0.010ppm0.2NDMIDACLOPRID0.010ppm0.2NDMALATHION0.010ppm0.2NDMETHOXCAB0	ACEPHATE	0.010	ppm	0.5	ND
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COUMAPHOS 0.005 ppm 0.2 ND CYPERMETHRIN 0.010 ppm 1 ND DAMINOZIDE 0.010 ppm 1 ND DIAZANON 0.010 ppm 0.2 ND DICHLORVOS 0.050 ppm 0.1 ND DIMETHOATE 0.010 ppm 0.2 ND DIMETHOMORPH 0.005 ppm 0.1 ND ETOFRNPROX 0.010 ppm 0.2 ND FENPROX 0.010 ppm 0.2 ND FENPROX 0.010 ppm 0.2 ND FENDRYCARB 0.010 ppm 0.2 ND FENOXYCARB 0.010 ppm 0.4 ND FLONIL 0.010 ppm 1 ND FLUDIOXONIL 0.010 ppm 0.4 ND MEXYTHIAZOX 0.010 ppm 0.2 ND MALATHION 0.010 ppm <th>CLOFENTEZINE</th> <td>0.010</td> <td>ppm</td> <td>0.2</td> <td>ND</td>	CLOFENTEZINE	0.010	ppm	0.2	ND
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DAMINOZIDE 0.010 ppm 1 ND DIAZANON 0.010 ppm 0.2 ND DICHLORVOS 0.050 ppm 0.1 ND DIMETHOATE 0.010 ppm 0.2 ND DIMETHOATE 0.010 ppm 0.2 ND ETHOPROPHOS 0.010 ppm 0.2 ND ETOFENPROX 0.010 ppm 0.2 ND FETOAZOLE 0.010 ppm 0.2 ND FENPKOXIMATE 0.010 ppm 0.2 ND FENPYROXIMATE 0.010 ppm 0.4 ND FIPRONIL 0.020 ppm 0.4 ND FLONICAMID 0.010 ppm 0.4 ND FLONICAMID 0.010 ppm 0.4 ND MAZALIL 0.010 ppm 0.2 ND IMAZALIL 0.010 ppm 0.2 ND IMAZALIL 0.010	CYPERMETHRIN	0.010	ppm	1	ND
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DICHLORVOS 0.050 ppm 0.1 ND DIMETHOATE 0.010 ppm 0.2 ND DIMETHOMORPH 0.005 ppm 0.1 ND ETHOPROPHOS 0.010 ppm 0.2 ND ETOFENPROX 0.010 ppm 0.4 ND ETOXAZOLE 0.010 ppm 0.2 ND FENHEXAMID 0.005 ppm 0.1 ND FENOXYCARB 0.010 ppm 0.4 ND FIPRONIL 0.020 ppm 0.4 ND FIPRONIL 0.010 ppm 0.4 ND FLUDIOXONIL 0.010 ppm 1 ND IMAZALIL 0.010 ppm 0.2 ND MALATHION 0.010 ppm<	DIAZANON	0.010	ppm	0.2	ND
DIMETHOATE0.010ppm0.2NDDIMETHOMORPH0.005ppm0.1NDETHOPROPHOS0.010ppm0.2NDETOFAPROX0.010ppm0.4NDETOXAZOLE0.010ppm0.2NDFENHEXAMID0.005ppm0.1NDFENYROXIMATE0.010ppm0.4NDFIPROXYCARB0.010ppm0.4NDFIPRONIL0.020ppm0.4NDFLONICAMID0.010ppm0.4NDFLUDIOXONIL0.010ppm1NDFLUDIOXONIL0.010ppm0.4NDMAZALIL0.010ppm0.4NDMEXALIL0.010ppm0.4NDMEACLOPRID0.010ppm0.2NDMALATHION0.010ppm0.4NDMETALAXYL0.010ppm0.2NDMETHOMYL0.010ppm0.2NDMETHOMYL0.010ppm0.2NDMETHOMYL0.010ppm0.2NDMETHOMYL0.010ppm0.5NDOXAMYL0.010ppm1NDPACLOBUTRAZOL0.010ppm0.4NDPHENONL0.010ppm0.4NDPHENET0.010ppm0.5NDOXAMYL0.010ppm0.4NDPHENET0.010ppm0.4ND<	DICHLORVOS	0.050	ppm	0.1	ND
DIMETHOMORPH0.005ppm0.1NDETHOPROPHOS0.010ppm0.2NDETOFENPROX0.010ppm0.4NDETOXAZOLE0.010ppm0.2NDFENHEXAMID0.005ppm0.1NDFENNYCARB0.010ppm0.2NDFENOXYCARB0.010ppm0.4NDFIPRONIL0.020ppm0.4NDFLONICAMID0.010ppm1NDFLUDIOXONIL0.010ppm0.4NDMAZALIL0.010ppm0.4NDMAZALIL0.010ppm0.4NDMALATHION0.010ppm0.4NDMETHOXIL0.010ppm0.4NDMETALAXYL0.010ppm0.2NDMETHOMYL0.010ppm0.2NDMETHOMYL0.010ppm0.6NDMETHOMYL0.010ppm0.6NDMETHOMYL0.010ppm0.5NDOXAMYL0.010ppm1NDPACLOBUTRAZOL0.010ppm1NDPHOSMET0.010ppm0.2NDPHOSMET0.010ppm3ND	DIMETHOATE	0.010	ppm	0.2	ND
ETHOPROPHOS 0.010 ppm 0.2 ND ETOFENPROX 0.010 ppm 0.4 ND ETOSAZOLE 0.010 ppm 0.2 ND FENHEXAMID 0.005 ppm 0.1 ND FENHEXAMID 0.005 ppm 0.1 ND FENOXYCARB 0.010 ppm 0.2 ND FENDYROXIMATE 0.010 ppm 0.4 ND FIPRONIL 0.020 ppm 0.4 ND FLODICAMID 0.010 ppm 1 ND FLUDIOXONIL 0.010 ppm 0.4 ND IMAZALIL 0.010 ppm 0.4 ND MALATHION 0.010 ppm 0.4 ND MALATHION 0.010 ppm 0.2 ND METHOMYL 0.010 ppm 0.2 ND METHOMYL 0.010 ppm 0.2 ND METHOMYL 0.010 pp	DIMETHOMORPH	0.005	ppm	0.1	ND
ETOFENPROX0.010ppm0.4NDETOXAZOLE0.010ppm0.2NDFENHEXAMID0.005ppm0.1NDFENOXYCARB0.010ppm0.2NDFENPYROXIMATE0.010ppm0.4NDFIPRONIL0.020ppm0.4NDFLONICAMID0.010ppm1NDFLUDIOXONIL0.010ppm0.4NDFLUDIOXONIL0.010ppm0.4NDMAZALIL0.010ppm0.4NDIMDACLOPRID0.010ppm0.2NDMETALAXYL0.010ppm0.4NDMETHIOXANIL0.010ppm0.2NDMETHIOXANIL0.010ppm0.2NDMETALAXYL0.010ppm0.2NDMETHOMYL0.010ppm0.2NDMETHOMYL0.010ppm0.1NDMALATHION0.010ppm0.1NDMETHOMYL0.010ppm0.1NDMALED0.010ppm0.5NDOXAMYL0.010ppm1NDPACLOBUTRAZOL0.010ppm0.4NDPHOSMET0.010ppm0.2NDPHOSMET0.010ppm3ND	ETHOPROPHOS	0.010	ppm	0.2	ND
ETOXAZOLE 0.010 ppm 0.2 ND FENHEXAMID 0.005 ppm 0.1 ND FENHEXAMID 0.005 ppm 0.2 ND FENOXYCARB 0.010 ppm 0.2 ND FENPYROXIMATE 0.010 ppm 0.4 ND FIPRONIL 0.020 ppm 0.4 ND FLONICAMID 0.010 ppm 1 ND FLUDIOXONIL 0.010 ppm 0.4 ND MAZALIL 0.010 ppm 0.4 ND IMDACLOPRID 0.010 ppm 0.2 ND IMIDACLOPRID 0.010 ppm 0.4 ND MALATHION 0.010 ppm 0.2 ND METALAXYL 0.010 ppm 0.2 ND METHOMYL 0.010 ppm 0.2 ND METHOMYL 0.010 ppm 0.2 ND MALATHION 0.010	ETOFENPROX	0.010	ppm	0.4	ND
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FENPYROXIMATE 0.010 ppm 0.4 ND FIPRONIL 0.020 ppm 0.4 ND FLONICAMID 0.010 ppm 1 ND FLONICAMID 0.010 ppm 0.4 ND FLUDIXONIL 0.010 ppm 0.4 ND HEXTHIAZOX 0.010 ppm 0.4 ND IMAZALIL 0.010 ppm 0.2 ND IMIDACLOPRID 0.010 ppm 0.4 ND MALATHION 0.010 ppm 0.4 ND METALAXYL 0.010 ppm 0.2 ND METHIOCARB 0.010 ppm 0.2 ND METHOMYL 0.010 ppm 0.2 ND METHOMYL 0.010 ppm 0.2 ND METHOMYL 0.010 ppm 0.2 ND MALATHON 0.010 ppm 0.5 ND MALATHON 0.010 ppm </td <th>FENOXYCARB</th> <td>0.010</td> <td>ppm</td> <td>0.2</td> <td>ND</td>	FENOXYCARB	0.010	ppm	0.2	ND
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MEVINPHOS 0.010 ppm 0.1 ND MYCLOBUTANIL 0.010 ppm 0.2 ND NALED 0.010 ppm 0.5 ND OXAMYL 0.010 ppm 1 ND PACLOBUTRAZOL 0.010 ppm 0.4 ND PERMETHRINS 0.050 ppm 1 ND PHOSMET 0.010 ppm 0.2 ND	METHOMYL	0.010	ppm	0.6	ND
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NALED 0.010 ppm 0.5 ND OXAMYL 0.010 ppm 1 ND PACLOBUTRAZOL 0.010 ppm 0.4 ND PERMETHRINS 0.050 ppm 1 ND PHOSMET 0.010 ppm 0.2 ND PIPERONYL BUTOXIDE 0.010 ppm 3 ND	MYCLOBUTANIL	0.010	ppm	0.2	ND
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PACLOBUTRAZOL 0.010 ppm 0.4 ND PERMETHRINS 0.050 ppm 1 ND PHOSMET 0.010 ppm 0.2 ND PIPERONYL BUTOXIDE 0.010 ppm 3 ND	OXAMYL	0.010	ppm	1	ND
PERMETHRINS 0.050 ppm 1 ND PHOSMET 0.010 ppm 0.2 ND PIPERONYL BUTOXIDE 0.010 ppm 3 ND	PACLOBUTRAZOL	0.010	ppm	0.4	ND
PHOSMET 0.010 ppm 0.2 ND PIPERONYL BUTOXIDE 0.010 ppm 3 ND	PERMETHRINS	0.050	ppm	1	ND
PIPERONYL BUTOXIDE 0.010 ppm 3 ND	PHOSMET	0.010	ppm	0.2	ND
	PIPERONYL BUTOXIDE	0.010	ppm	3	ND

Pesticides	LOD	Units	Action Level	Result
PRALLETHRIN	0.050	ppm	0.2	ND
PROPICONAZOLE	0.010	ppm	0.4	ND
PROPOXUR	0.010	ppm	0.2	ND
PYRETHRIN I	0.010	ppm	1	ND
PYRIDABEN	0.005	ppm	0.2	ND
SPINETORAM	0.005	ppm	0.5	ND
SPINOSAD (SPINOSYN A)	0.010	ppm	0.2	ND
SPINOSAD (SPINOSYN D	0.010	ppm	0.2	ND
SPIROMESIFEN	0.010	ppm	0.2	ND
SPIROTETRAMAT	0.020	ppm	0.2	ND
SPIROXAMINE	0.010	ppm	0.4	ND
TEBUCONAZOLE	0.010	ppm	0.4	ND
THIACLOPRID	0.010	ppm	0.2	ND
THIAMETHOXAM	0.010	ppm	0.5	ND
TRIFLOXYSTROBIN	0.010	ppm	0.2	ND
Pesticides				PASSED
Analyzed by NA	Weight NA	Extraction date	Extracton NA	ed By
Analysis Method - SOP.T.30 Analytical Batch - Instrument Used : Running On : Batch Date :	0.060, SOP.T.40.	060,	Reviewed On- 12/08/20	09:48:18
Reagent	Dilution	c	onsums. ID	

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.T40.060 Procedure for Pesticide Quantification Using LCMS). *

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Revision #1 This COA has been revised from the original

David Greene Lab Director

State License # 19-05-02P ISO Accreditation # 17025:2017 #97164

Signature

12/08/2020

Signed On



673 N. Bardstown Rd Mount Washington, KY, 40047, US **Kaycha Labs**

309 N/A Matrix : Derivative



TESTED

Page 3 of 4

TESTED

Certificate of Analysis

Kentucky Heritage Hemp Company

1251 Deatsvile Rd. Cox's Creek, KY, 40013, USA **Telephone:** 8596211797 **Email:** bobby.gaffney@gmail.com Sample : M001118023-001 Harvest/LOT ID: 309 Batch# : 7 0f 7 Sam Sampled : 11/18/20 Com Ordered : 11/18/20 Sam

Sample Size Received : 12 gram Completed : 12/08/20 Expires: 12/08/21 Sample Method : SOP Client Method



Residual Solvents



Solvent	LOD	Units	Action Level (PPM)	Pass/Fail	Result
TRICHLOROETHENE	3	ppm	80	PASS	ND
CHLOROFORM	0.24	ppm	60	PASS	ND
1,2-DICHLOROETHENE	0.24	ppm	1870	PASS	ND
1,1-DICHLOROETHENE	2	ppm	8	PASS	ND
PENTANES	90	ppm	2500	PASS	ND
BUTANES (N-BUTANE)	50	ppm	5000	PASS	ND
ACETONITRILE	7.2	ppm	410	PASS	ND
ACETONE	90	ppm	5000	PASS	ND
2-PROPANOL	60	ppm	5000	PASS	ND
HEXANES	6	ppm	290	PASS	ND
XYLENES	18	ppm	2170	PASS	ND
TOLUENE	18	ppm	1068	PASS	ND
PROPANE	80	ppm	5000	PASS	ND
METHANOL	30	ppm	3000	PASS	61.000
HEPTANE	60	ppm	5000	PASS	ND
XYLENES-P (1,4- DIMETHYLBENZENE)	18	ppm	2170	PASS	ND
ETHYLENE OXIDE	0.6	ppm	50	PASS	ND
XYLENES-M (1,3- DIMETHYLBENZENE)	18	ppm	2170	PASS	ND
ETHYL ETHER	60	ppm	5000	PASS	ND
XYLENES-O (1,2- DIMETHYLBENZENE)	18	ppm	2170	PASS	ND
ETHYL ACETATE	48	ppm	5000	PASS	55.000
ETHANOL	120	ppm	5000	FAIL	>5400
DICHLOROMETHANE	15	ppm	600	PASS	ND

Analytical Batch -M0001428SOL Instrument Used : GCMS2010 Running On : Batch Date : 11/18/20 14:09:45	20 11:15:20
Analytical Batch -MO001428SOL Reviewed On - 11/20/ Instrument Used : GCMS2010	20 11:15:20
Analytical Batch -MO001428SOL Reviewed On - 11/20/	20 11:15:20
Analysis Method -SOP.T.40.032	
18 0.026g 11/18/20 02:11:38 18	1/1
Analyzed by Weight Extraction date Extr	acted By

Residual Solvents

Residual solvents screening is performed using GC-MS which can detect below single digit ppm concentrations. Currently we analyze for 33 Residual solvents. (Method: SOP.T.30.042 Residual Solvents Analysis via GC-MS).

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Revision #1 This COA has been revised from the original

David Greene Lab Director

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Signature

12/08/2020

Signed On



673 N. Bardstown Rd Mount Washington, KY, 40047, US **Kaycha Labs**

309 N/A Matrix : Derivative



TESTED

Page 4 of 4

Certificate of Analysis

Kentucky Heritage Hemp Company

1251 Deatsvile Rd. Cox's Creek, KY, 40013, USA **Telephone:** 8596211797 **Email:** bobby.gaffney@gmail.com
 Sample : M001118023-001

 Harvest/LOT ID: 309

 Batch# : 7 0f 7
 Sam

 Sampled : 11/18/20
 Con

 Ordered : 11/18/20
 Sam

Sample Size Received : 12 gram Completed : 12/08/20 Expires: 12/08/21 Sample Method : SOP Client Method

Ċţ.	Micro	bials	PASSED	ւ.	Mycot	oxins		PASSED
Analyte		LOD	Result	Analyte	LOD	Units	Result	Action Level (PPM)
ASPERGILLUS_TERR	EUS_1J2		not present in 1 gram	AFLATOXIN G2	0.001	ppm	ND	0.02
ASPERGILLUS_NIGER	2		not present in 1 gram	AFLATOXIN G1	0.001	ppm	ND	0.02
ASPERGILLUS_FUMI	GATUS		not present in 1 gram	AFLATOXIN B2	0.001	ppm	ND	0.02
ASPERGILLUS_FLAV	US		not present in 1 gram	AFLATOXIN B1	0.001	ppm	ND	0.02
ESCHERICHIA_COLI	FIC_GENE SHIGELLA_SPP		not present in 1 gram	OCHRATOXIN A+	0.001	ppm	ND	0.02
Analysis Method	SOP.T.40.043			Analysis Method -S	OP.T.30.060, SC	DP.T.40.060		
Analytical Batch -	NA Batch Date :			Analytical Batch - Instrument Used :	Reviewed On -	12/08/20 09:	48:01	
Running On :	. /			Running On :				
Running on .				Batch Date :				
Analyzed by NA	Weight NA	Extraction date	Extracted By	Analyzed by NA	Weight NA	Extractio	on date	Extracted By

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.

Aflatoxins B1, B2, G1, G2, and Ochratoxins A testing using LC-MS. (Method: SOP.T.30.060 for Sample Preparation and SOP.T40.060 Procedure for Mycotoxins Quantification Using LCMS. LOQ 1.0 ppb). Total Aflatoxins (Aflotoxin B1, B2, G1, G2) must be <20µg/Kg. Ochratoxins must be <20µg/Kg.

[Нд]	Heavy	y Meta	ls	PASSED
Reagent 110119.52 110119.44	///	1		
110119.36				
110119.36 Metal	LOD	Unit	Result	Action Level (PPM)
Metal ARSENIC	LOD 0.02	Unit	Result	Action Level (PPM)
Metal ARSENIC CADMIUM	LOD 0.02 0.02	Unit ppm ppm	Result ND ND	Action Level (PPM)
Metal ARSENIC CADMIUM LEAD	LOD 0.02 0.02 0.02	Unit ppm ppm ppm	Result ND ND 0.211	Action Level (PPM)
Metal ARSENIC CADMIUM LEAD MERCURY	LOD 0.02 0.02 0.02 0.02 0.02	Unit ppm ppm ppm ppm	Result ND ND 0.211 ND	Action Level (PPM) 10 4.1 10 2
Metal ARSENIC CADMIUM LEAD MERCURY Analyzed by	LOD 0.02 0.02 0.02 0.02 0.02 Weight	Unit ppm ppm ppm Extractio	Result ND 0.211 ND n date	Action Level (PPM)

Analytical Batch - MO001509HEA | Reviewed On - 12/08/20 09:51:41 Instrument Used : ICP-MS 2030

Running On :

Batch Date : 12/08/20 09:49:41

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. *Action Limits based on Colorado Regulations.

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