



Source ID: MCT BERRY

Sample ID: WH-MCT-01
Matrix: Edible
METRC Batch #: N/A
Sampling Method: SOP.C.10.010
Date Received: 4/24/2020
Results Valid Until: 4/27/2021

Harvest/Process Lot ID: N/A
Batch ID: N/A
Batch Size: N/A

Unit for Sale: N/A
Harvest/Production Date: N/A
Lab ID: WHC-0018

Cannabinoid Analysis

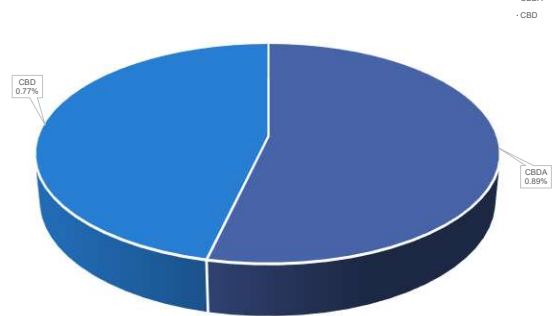
Date/Time Extracted: 4/27/2020 11:25

Analysis Method/SOP: SOP.C.20.020

Date/Time Analyzed: 4/27/2020 14:24

Compound	Dry Wt. mg/g	Dry Wt. %
CBDV	<LOQ*	<LOQ*
CBDA	8.9	0.89
CBGA	<LOQ*	<LOQ*
CBG	<LOQ*	<LOQ*
CBD	7.7	0.77
THCV	<LOQ*	<LOQ*
CBN	<LOQ*	<LOQ*
D9-THC	<LOQ*	<LOQ*
D8-THC	<LOQ*	<LOQ*
CBC	<LOQ*	<LOQ*
THCA	<LOQ*	<LOQ*
Total THC _{((THCA*0.877)+∑THC)}	<LOQ*	<LOQ*
Total CBD _{((CBDA*0.877)+CBD)}	15.6	1.56
Total Cannabinoids	15.6	1.56

Cannabinoid Profile



* LOQ = 0.1%

Tincture Tests

Lab ID: 1911075-04RE1

Happy Cabbage Hemp

AG-R1066590HHR

Harvest / Process Lot:

METRC Batch ID:

Date Sampled: 11/08/19

Date Printed: 11/14/19

Tincture

Date Sampled: 11/08/19 16:56

Date Accepted: 11/08/19

Results Valid Until: 11/07/20

Happy Cabbage Hemp

Sample ID: 1911075-04RE1

Matrix: Extracts and Concentrates

M #:

Pesticide Analysis in PPM

Date/Time Extracted: 11/13/19 10:41

Date/Time Analyzed: 11/14/19 02:26

Analysis Method/SOP: SOP 33

Instrument: Selene

Batch Identification: B19K064

Analyte	Result	Action Level	LOQ	Type
Abamectin	< LOQ	0.5	0.2500	Avermectin insecticide
Acephate	< LOQ	0.4	0.2000	Organophosphate Insecticide
Acequinocyl	< LOQ	2	1.000	Quinoline insecticide
Acetamiprid	< LOQ	0.2	0.1000	Neonicotinoid insecticide
Aldicarb	< LOQ	0.4	0.2000	Carbamate insecticide
Azoxystrobin	< LOQ	0.2	0.1000	Strobin fungicide
Bifenazate	< LOQ	0.2	0.1000	Carbazate miticide
Bifenthrin	< LOQ	0.2	0.1000	Pyrethroid insecticide
Boscalid	< LOQ	0.4	0.2000	Carboxamide fungicide
Carbaryl	< LOQ	0.2	0.1000	Carbamate insecticide
Carbofuran	< LOQ	0.2	0.1000	Carbamate insecticide
Chlorantraniliprole	< LOQ	0.2	0.1000	Anthranilic diamide insecticide
Chlorfenapyr	< LOQ	1	0.5000	Pyrrole insecticide
Chlorpyrifos	< LOQ	0.2	0.1000	Organophosphate Insecticide
Clofentezine	< LOQ	0.2	0.1000	Tetrazine miticide
Cyfluthrin	< LOQ	1	0.5000	Pyrethroid insecticide
Cypermethrin	< LOQ	1	0.5000	Pyrethroid insecticide
Daminozide	< LOQ	1	0.5000	Plant growth regulator
DDVP (Dichlorvos)	< LOQ	1	0.5000	Organophosphate insecticide
Diazinon	< LOQ	0.2	0.1000	Organophosphate Insecticide
Dimethoate	< LOQ	0.2	0.1000	Organophosphate insecticide
Ethoprophos	< LOQ	0.2	0.1000	Organophosphate insecticide



Erik Werstler

Lab Director

Tincture Tests

Happy Cabbage Hemp

AG-R1066590HHR

Laboratory ID: 1911075-04RE

Happy Cabbage Hemp

Sample ID: 1911075-04RE1

Matrix: Extracts and Concentrates

M #:

Date Sampled: 11/08/19 16:56

Date Accepted: 11/08/19

Results Valid Until: 11/07/20

Pesticide Analysis in PPM

Date/Time Extracted: 11/13/19 10:41

Date/Time Analyzed: 11/14/19 02:26

Analysis Method/SOP: SOP 33

Instrument: Selene

Batch Identification: B19K064

Analyte	Result	Action Level	LOQ	Type
Etofenprox	< LOQ	0.4	0.2000	Pyrethroid insecticide
Etoxazole	< LOQ	0.2	0.1000	Oxazoline insecticide
Fenoxycarb	< LOQ	0.2	0.1000	Carbamate insecticide
Fenpyroximate	< LOQ	0.4	0.2000	Pyrazolium miticide
Fipronil	< LOQ	0.4	0.2000	Pyrazole insecticide
Flonicamid	< LOQ	1	0.5000	Pyridinecarboxamide insecticide
Fludioxonil	< LOQ	0.4	0.2000	Benzodioxole fungicide
Hexythiazox	< LOQ	1	0.5000	Heterocyclic miticide
Imazalil	< LOQ	0.2	0.1000	Imidazole fungicide
Imidacloprid	< LOQ	0.4	0.2000	Neonicotinoid insecticide
Kresoxim-methyl	< LOQ	0.4	0.2000	Strobilurin fungicide
Malathion	< LOQ	0.2	0.1000	Organophosphate insecticide
Metalaxyl	< LOQ	0.2	0.1000	Benzenoid fungicide
Methiocarb	< LOQ	0.2	0.1000	Carbamate insecticide
Methomyl	< LOQ	0.4	0.2000	Carbamate insecticide
Methyl parathion	< LOQ	0.2	0.1000	Organophosphate insecticide
MGK-264	< LOQ	0.2	0.1000	Pesticide synergist
Myclobutanil	< LOQ	0.2	0.1000	Triazole fungicide
Naled	< LOQ	0.5	0.2500	Organophosphate insecticide
Oxamyl	< LOQ	1	0.5000	Carbamate insecticide
Pacllobutrazol	< LOQ	0.4	0.2000	Triazole fungicide
Permethrins	< LOQ	0.2	0.1000	Pyrethroid insecticide
Phosmet	< LOQ	0.2	0.1000	Organophosphate insecticide
Piperonyl butoxide	< LOQ	2	1.000	Pesticide synergist
Prallethrin	< LOQ	0.2	0.1000	Pyrethroid insecticide
Propiconazole	< LOQ	0.4	0.2000	Triazole fungicide
Propoxur	< LOQ	0.2	0.1000	Carbamate insecticide
Pyrethrins	< LOQ	1	0.5000	Pyrethroid insecticide



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Tincture Tests

Happy Cabbage Hemp

AG-R1066590HHR

Laboratory ID: 1911075-04RE

Happy Cabbage Hemp

Sample ID: 1911075-04RE1

Matrix: Extracts and Concentrates

M #:

Date Sampled: 11/08/19 16:56

Date Accepted: 11/08/19

Results Valid Until: 11/07/20

Pesticide Analysis in PPM

Date/Time Extracted: 11/13/19 10:41

Date/Time Analyzed: 11/14/19 02:26

Analysis Method/SOP: SOP 33

Instrument: Selene

Batch Identification: B19K064

Analyte	Result	Action Level	LOQ	Type
Pyridaben	< LOQ	0.2	0.1000	Pyridazinone insecticide
Spinosad	< LOQ	0.2	0.1000	Spinosyn insecticide
Spiromesifen	< LOQ	0.2	0.1000	Keto-enol insecticide
Spirotetramat	< LOQ	0.2	0.1000	Keto-enol insecticide
Spiroxamine	< LOQ	0.4	0.2000	Spiroketamine fungicide
Tebuconazole	< LOQ	0.4	0.2000	Triazole fungicide
Thiacloprid	< LOQ	0.2	0.1000	Neonicotinoid insecticide
Thiamethoxam	< LOQ	0.2	0.1000	Neonicotinoid insecticide
Trifloxystrobin	< LOQ	0.2	0.1000	Strobin fungicide

<LOQ - Results below the Limit of Quantitation - Compound not detected

Results above the Action Level fail state testing requirements and will be highlighted Red.



Erik Werstler

Lab Director

Tincture Tests

Happy Cabbage Hemp

AG-R1066590HHR

Laboratory ID: 1911075-04RE

Quality Control Pesticide Analysis

Batch: B19K064 - Pest

Blank(B19K064-BLK1)

Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Abamectin	< LOQ	0.2500	ppm		11/13/19 10:41	11/13/19 18:27	
Acephate	< LOQ	0.2000	ppm		11/13/19 10:41	11/13/19 18:27	
Acequinocyl	< LOQ	1.000	ppm		11/13/19 10:41	11/13/19 18:27	
Acetamiprid	< LOQ	0.1000	ppm		11/13/19 10:41	11/13/19 18:27	
Aldicarb	< LOQ	0.2000	ppm		11/13/19 10:41	11/13/19 18:27	
Azoxystrobin	< LOQ	0.1000	ppm		11/13/19 10:41	11/13/19 18:27	
Bifenazate	< LOQ	0.1000	ppm		11/13/19 10:41	11/13/19 18:27	
Bifenthrin	< LOQ	0.1000	ppm		11/13/19 10:41	11/13/19 18:27	
Boscalid	< LOQ	0.2000	ppm		11/13/19 10:41	11/13/19 18:27	
Carbaryl	< LOQ	0.1000	ppm		11/13/19 10:41	11/13/19 18:27	
Carbofuran	< LOQ	0.1000	ppm		11/13/19 10:41	11/13/19 18:27	
Chlorantraniliprole	< LOQ	0.1000	ppm		11/13/19 10:41	11/13/19 18:27	
Chlorfenapyr	< LOQ	0.5000	ppm		11/13/19 10:41	11/13/19 18:27	
Chlorpyrifos	< LOQ	0.1000	ppm		11/13/19 10:41	11/13/19 18:27	
Clofentezine	< LOQ	0.1000	ppm		11/13/19 10:41	11/13/19 18:27	
Cyfluthrin	< LOQ	0.5000	ppm		11/13/19 10:41	11/13/19 18:27	
Cypermethrin	< LOQ	0.5000	ppm		11/13/19 10:41	11/13/19 18:27	
Daminozide	< LOQ	0.5000	ppm		11/13/19 10:41	11/13/19 18:27	
DDVP (Dichlorvos)	< LOQ	0.5000	ppm		11/13/19 10:41	11/13/19 18:27	
Diazinon	< LOQ	0.1000	ppm		11/13/19 10:41	11/13/19 18:27	
Dimethoate	< LOQ	0.1000	ppm		11/13/19 10:41	11/13/19 18:27	
Ethoprophos	< LOQ	0.1000	ppm		11/13/19 10:41	11/13/19 18:27	
Etofenprox	< LOQ	0.2000	ppm		11/13/19 10:41	11/13/19 18:27	
Etoxazole	< LOQ	0.1000	ppm		11/13/19 10:41	11/13/19 18:27	
Fenoxycarb	< LOQ	0.1000	ppm		11/13/19 10:41	11/13/19 18:27	
Fenpyroximate	< LOQ	0.2000	ppm		11/13/19 10:41	11/13/19 18:27	
Fipronil	< LOQ	0.2000	ppm		11/13/19 10:41	11/13/19 18:27	
Flonicamid	< LOQ	0.5000	ppm		11/13/19 10:41	11/13/19 18:27	
Fludioxonil	< LOQ	0.2000	ppm		11/13/19 10:41	11/13/19 18:27	
Hexythiazox	< LOQ	0.5000	ppm		11/13/19 10:41	11/13/19 18:27	
Imazalil	< LOQ	0.1000	ppm		11/13/19 10:41	11/13/19 18:27	
Imidacloprid	< LOQ	0.2000	ppm		11/13/19 10:41	11/13/19 18:27	
Kresoxim-methyl	< LOQ	0.2000	ppm		11/13/19 10:41	11/13/19 18:27	
Malathion	< LOQ	0.1000	ppm		11/13/19 10:41	11/13/19 18:27	



Erik Werstler
Lab Director

Tincture Tests

Happy Cabbage Hemp

AG-R1066590HHR

Laboratory ID: 1911075-04RE

Quality Control Pesticide Analysis (Continued)

Batch: B19K064 - Pest (Continued)

Blank(B19K064-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Metalaxyl	< LOQ	0.1000	ppm		11/13/19 10:41	11/13/19 18:27	
Methiocarb	< LOQ	0.1000	ppm		11/13/19 10:41	11/13/19 18:27	
Methomyl	< LOQ	0.2000	ppm		11/13/19 10:41	11/13/19 18:27	
Methyl parathion	< LOQ	0.1000	ppm		11/13/19 10:41	11/13/19 18:27	
MGK-264	< LOQ	0.1000	ppm		11/13/19 10:41	11/13/19 18:27	
Myclobutanil	< LOQ	0.1000	ppm		11/13/19 10:41	11/13/19 18:27	
Naled	< LOQ	0.2500	ppm		11/13/19 10:41	11/13/19 18:27	
Oxamyl	< LOQ	0.5000	ppm		11/13/19 10:41	11/13/19 18:27	
Paclobutrazol	< LOQ	0.2000	ppm		11/13/19 10:41	11/13/19 18:27	
Permethrins	< LOQ	0.1000	ppm		11/13/19 10:41	11/13/19 18:27	
Phosmet	< LOQ	0.1000	ppm		11/13/19 10:41	11/13/19 18:27	
Piperonyl butoxide	< LOQ	1.000	ppm		11/13/19 10:41	11/13/19 18:27	
Prallethrin	< LOQ	0.1000	ppm		11/13/19 10:41	11/13/19 18:27	
Propiconazole	< LOQ	0.2000	ppm		11/13/19 10:41	11/13/19 18:27	
Propoxur	< LOQ	0.1000	ppm		11/13/19 10:41	11/13/19 18:27	
Pyrethrins	< LOQ	0.5000	ppm		11/13/19 10:41	11/13/19 18:27	
Pyridaben	< LOQ	0.1000	ppm		11/13/19 10:41	11/13/19 18:27	
Spinosad	< LOQ	0.1000	ppm		11/13/19 10:41	11/13/19 18:27	
Spiromesifen	< LOQ	0.1000	ppm		11/13/19 10:41	11/13/19 18:27	
Spirotetramat	< LOQ	0.1000	ppm		11/13/19 10:41	11/13/19 18:27	
Spiroxamine	< LOQ	0.2000	ppm		11/13/19 10:41	11/13/19 18:27	
Tebuconazole	< LOQ	0.2000	ppm		11/13/19 10:41	11/13/19 18:27	
Thiacloprid	< LOQ	0.1000	ppm		11/13/19 10:41	11/13/19 18:27	
Thiamethoxam	< LOQ	0.1000	ppm		11/13/19 10:41	11/13/19 18:27	
Trifloxystrobin	< LOQ	0.1000	ppm		11/13/19 10:41	11/13/19 18:27	

LCS(B19K064-BS1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Abamectin	134	0.2500	ppm	50-150	11/13/19 10:41	11/13/19 18:05	
Acephate	131	0.2000	ppm	50-150	11/13/19 10:41	11/13/19 18:05	
Acequinocyl	108	1.000	ppm	50-150	11/13/19 10:41	11/13/19 18:05	
Acetamiprid	131	0.1000	ppm	50-150	11/13/19 10:41	11/13/19 18:05	
Aldicarb	139	0.2000	ppm	50-150	11/13/19 10:41	11/13/19 18:05	
Azoxystrobin	119	0.1000	ppm	50-150	11/13/19 10:41	11/13/19 18:05	
Bifenazate	142	0.1000	ppm	50-150	11/13/19 10:41	11/13/19 18:05	



Erik Werstler
Lab Director

Tincture Tests

Happy Cabbage Hemp

AG-R1066590HHR

Laboratory ID: 1911075-04RE

Quality Control

Pesticide Analysis (Continued)

Batch: B19K064 - Pest (Continued)

LCS(B19K064-BS1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Bifenthrin	125	0.1000	ppm	50-150	11/13/19 10:41	11/13/19 18:05	
Boscalid	116	0.2000	ppm	50-150	11/13/19 10:41	11/13/19 18:05	
Carbaryl	126	0.1000	ppm	50-150	11/13/19 10:41	11/13/19 18:05	
Carbofuran	128	0.1000	ppm	50-150	11/13/19 10:41	11/13/19 18:05	
Chlorantraniliprole	128	0.1000	ppm	50-150	11/13/19 10:41	11/13/19 18:05	
Chlorfenapyr	120	0.5000	ppm	50-150	11/13/19 10:41	11/13/19 18:05	
Chlorpyrifos	126	0.1000	ppm	50-150	11/13/19 10:41	11/13/19 18:05	
Clofentezine	118	0.1000	ppm	50-150	11/13/19 10:41	11/13/19 18:05	
Cyfluthrin	120	0.5000	ppm	50-150	11/13/19 10:41	11/13/19 18:05	
Cypermethrin	124	0.5000	ppm	50-150	11/13/19 10:41	11/13/19 18:05	
Daminozide	153	0.5000	ppm	50-150	11/13/19 10:41	11/13/19 18:05	Q3
DDVP (Dichlorvos)	126	0.5000	ppm	50-150	11/13/19 10:41	11/13/19 18:05	
Diazinon	123	0.1000	ppm	50-150	11/13/19 10:41	11/13/19 18:05	
Dimethoate	134	0.1000	ppm	50-150	11/13/19 10:41	11/13/19 18:05	
Ethoprophos	124	0.1000	ppm	50-150	11/13/19 10:41	11/13/19 18:05	
Etofenprox	127	0.2000	ppm	50-150	11/13/19 10:41	11/13/19 18:05	
Etoxazole	123	0.1000	ppm	50-150	11/13/19 10:41	11/13/19 18:05	
Fenoxycarb	119	0.1000	ppm	50-150	11/13/19 10:41	11/13/19 18:05	
Fenpyroximate	139	0.2000	ppm	50-150	11/13/19 10:41	11/13/19 18:05	
Fipronil	127	0.2000	ppm	50-150	11/13/19 10:41	11/13/19 18:05	
Flonicamid	133	0.5000	ppm	50-150	11/13/19 10:41	11/13/19 18:05	
Fludioxonil	121	0.2000	ppm	50-150	11/13/19 10:41	11/13/19 18:05	
Hexythiazox	127	0.5000	ppm	50-150	11/13/19 10:41	11/13/19 18:05	
Imazalil	120	0.1000	ppm	50-150	11/13/19 10:41	11/13/19 18:05	
Imidacloprid	137	0.2000	ppm	50-150	11/13/19 10:41	11/13/19 18:05	
Kresoxim-methyl	120	0.2000	ppm	50-150	11/13/19 10:41	11/13/19 18:05	
Malathion	110	0.1000	ppm	50-150	11/13/19 10:41	11/13/19 18:05	
Metalaxyl	122	0.1000	ppm	50-150	11/13/19 10:41	11/13/19 18:05	
Methiocarb	126	0.1000	ppm	50-150	11/13/19 10:41	11/13/19 18:05	
Methomyl	127	0.2000	ppm	50-150	11/13/19 10:41	11/13/19 18:05	
Methyl parathion	122	0.1000	ppm	50-150	11/13/19 10:41	11/13/19 18:05	
MGK-264	117	0.1000	ppm	50-150	11/13/19 10:41	11/13/19 18:05	
Myclobutanil	123	0.1000	ppm	50-150	11/13/19 10:41	11/13/19 18:05	
Naled	113	0.2500	ppm	50-150	11/13/19 10:41	11/13/19 18:05	



Erik Werstler
Lab Director

Tincture Tests

Happy Cabbage Hemp

AG-R1066590HHR

Laboratory ID: 1911075-04RE

Quality Control Pesticide Analysis (Continued)

Batch: B19K064 - Pest (Continued)

LCS(B19K064-BS1)

Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Oxamyl	126	0.5000	ppm	50-150	11/13/19 10:41	11/13/19 18:05	
Paclobutrazol	110	0.2000	ppm	50-150	11/13/19 10:41	11/13/19 18:05	
Permethrins	124	0.1000	ppm	50-150	11/13/19 10:41	11/13/19 18:05	
Phosmet	125	0.1000	ppm	50-150	11/13/19 10:41	11/13/19 18:05	
Piperonyl butoxide	118	1.000	ppm	50-150	11/13/19 10:41	11/13/19 18:05	
Prallethrin	122	0.1000	ppm	50-150	11/13/19 10:41	11/13/19 18:05	
Propiconazole	119	0.2000	ppm	50-150	11/13/19 10:41	11/13/19 18:05	
Propoxur	128	0.1000	ppm	50-150	11/13/19 10:41	11/13/19 18:05	
Pyrethrins	120	0.5000	ppm	50-150	11/13/19 10:41	11/13/19 18:05	
Pyridaben	121	0.1000	ppm	50-150	11/13/19 10:41	11/13/19 18:05	
Spinosad	135	0.1000	ppm	50-150	11/13/19 10:41	11/13/19 18:05	
Spiromesifen	108	0.1000	ppm	50-150	11/13/19 10:41	11/13/19 18:05	
Spirotetramat	131	0.1000	ppm	50-150	11/13/19 10:41	11/13/19 18:05	
Spiroxamine	114	0.2000	ppm	50-150	11/13/19 10:41	11/13/19 18:05	
Tebuconazole	118	0.2000	ppm	50-150	11/13/19 10:41	11/13/19 18:05	
Thiacloprid	129	0.1000	ppm	50-150	11/13/19 10:41	11/13/19 18:05	
Thiamethoxam	130	0.1000	ppm	50-150	11/13/19 10:41	11/13/19 18:05	
Trifloxystrobin	115	0.1000	ppm	50-150	11/13/19 10:41	11/13/19 18:05	

Notes and Definitions

- B Analyte detected in method blank, but not associated samples.
 - B2 Analyte detected in sample and associate method blank.
 - C Interference due to co-elution.
 - D Initial result exceeded calibration range, reported data are based on analysis of a dilution.
 - H Non-homogenous sample matrix affecting RPD and/or QC.
 - I Manual Integration was performed.
 - L Duplicate sample relative percent difference (RPD) exceeds QC limits.
 - M Anomalous results due to matrix interference
 - P Peaks manually split.
 - Q1 QC out of limits but still ok
 - Q2 Quality Control outside QC limits. Data considered estimate.
 - Q3 CCV was above the acceptance criteria. Non-detect samples are considered acceptable.
 - Q4 CCV was below the acceptance criteria, however the sample still exceeds the regulatory limit.
 - R Marginal Exceedence.
 - U Reported result is an estimate. The analyte was detected above the calibration range.
 - X Problems with initial analysis, reported data are from reinjection of prepared sample.
- <LOQ - Results below the Limit of Quantitation - Compound not detected



Erik Werstler
Lab Director