



Hawaiian Haze

Sample ID: G9K0470-04

Matrix: Industrial Hemp

Test ID: 1015199

Source ID:

Date Sampled: 11/20/19

Date Accepted: 11/20/19

H Hemp Co

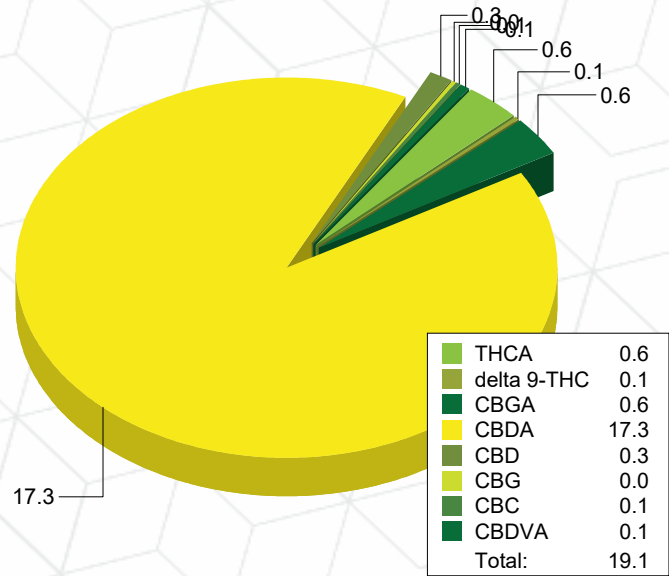
Potency Analysis

Date/Time Extracted: 11/22/19 11:36

Analysis Method/SOP: 215

Batch Identification: 1947062

Cannabinoids	LOQ (%)	% by Wt.	mg/g	Cannabinoids Profile
Total THC	0.009080	0.6237	6.237	
Total CBD	0.008300	15.45	154.5	
THCA	0.002920	0.6471	6.471	
delta 9-THC	0.009080	0.05615	0.5615	
delta 8-THC	0.004490	< LOQ	< LOQ	
Exo-THC	0.004175	< LOQ	< LOQ	
THCV	0.005055	< LOQ	< LOQ	
THCVA	0.001885	< LOQ	< LOQ	
CBD	0.006220	0.2722	2.722	
CBDA	0.008300	17.30	173	
CBDV	0.005000	< LOQ	< LOQ	
CBDVA	0.001640	0.08627	0.8627	
CBN	0.002990	< LOQ	< LOQ	
CBG	7.900E-4	0.04885	0.4885	
CBGA	7.900E-4	0.6001	6.001	
CBC	0.008965	0.07494	0.7494	



Total THC = delta 9-THC + (THCA * 0.877)

Total CBD = CBD + (CBDA * 0.877)

For Potency only delta 9-THC, THCA, CBD, CBDA are ORELAP accredited analytes.

Water Activity Action Level is 0.65. Results above 0.65 fail state testing requirements and will be highlighted Red.

Eric Wendt
Chief Science Officer - 11/27/2019



Hawaiian Haze

Sample ID: G9K0470-04

Matrix: Industrial Hemp

Test ID: 1015199

Source ID:

Date Sampled: 11/20/19

Date Accepted: 11/20/19

H Hemp Co

Pesticide Analysis in ppm

Date/Time Extracted: 11/26/19 11:46

Analysis Method/SOP: 203

Analyte	Result	Action Level	LOD	LOQ	Units	Analyte	Result	Action Level	LOD	LOQ	Units
Abamectin	< LOQ	0.5		0.04	ppm	Acephate	< LOQ	0.4		0.04	ppm
Acequinocyl	< LOQ	2		0.04	ppm	Acetamiprid	< LOQ	0.2		0.04	ppm
Aldicarb	< LOQ	0.4		0.04	ppm	Azoxystrobin	< LOQ	0.2		0.04	ppm
Bifenazate	< LOQ	0.2		0.04	ppm	Bifenthrin	< LOQ	0.2		0.04	ppm
Boscalid	< LOQ	0.4		0.04	ppm	Carbaryl	< LOQ	0.2		0.04	ppm
Carbofuran	< LOQ	0.2		0.04	ppm	Chlorantraniliprole	< LOQ	0.2		0.04	ppm
Chlorfenapyr	< LOQ	1		0.04	ppm	Chlorpyrifos	< LOQ	0.2		0.04	ppm
Clofentezine	< LOQ	0.2		0.04	ppm	Cyfluthrin	< LOQ	1		0.04	ppm
Cypermethrin	< LOQ	1		0.04	ppm	Daminozide	< LOQ	1		0.04	ppm
DDVP (Dichlorvos)	< LOQ	1		0.04	ppm	Diazinon	< LOQ	0.2		0.04	ppm
Dimethoate	< LOQ	0.2		0.04	ppm	Ethoprophos	< LOQ	0.2		0.04	ppm
Etofenprox	< LOQ	0.4		0.04	ppm	Etoxazole	< LOQ	0.2		0.04	ppm
Fenoxycarb	< LOQ	0.2		0.04	ppm	Fenpyroximate	< LOQ	0.4		0.04	ppm
Fipronil	< LOQ	0.4		0.04	ppm	Flonicamid	< LOQ	1		0.04	ppm
Fludioxonil	< LOQ	0.4		0.04	ppm	Hexythiazox	< LOQ	1		0.04	ppm
Imazalil	< LOQ	0.2		0.04	ppm	Imidacloprid	< LOQ	0.4		0.04	ppm
Kresoxim-methyl	< LOQ	0.4		0.04	ppm	Malathion	< LOQ	0.2		0.04	ppm
Metalaxyl	< LOQ	0.2		0.04	ppm	Methiocarb	< LOQ	0.2		0.04	ppm
Methomyl	< LOQ	0.4		0.04	ppm	Methyl parathion	< LOQ	0.2		0.04	ppm
MGK-264	< LOQ	0.2		0.04	ppm	Myclobutanil	< LOQ	0.2		0.04	ppm
Naled	< LOQ	0.5		0.04	ppm	Oxamyl	< LOQ	1		0.04	ppm
Paclobutrazol	< LOQ	0.4		0.04	ppm	Permethrins	< LOQ	0.2		0.04	ppm
Phosmet	< LOQ	0.2		0.04	ppm	Piperonyl butoxide	< LOQ	2		0.1	ppm
Prallethrin	< LOQ	0.2		0.04	ppm	Propiconazole	< LOQ	0.4		0.04	ppm
Propoxur	< LOQ	0.2		0.04	ppm	Pyrethrins	< LOQ	1		0.1	ppm
Pyridaben	< LOQ	0.2		0.04	ppm	Spinosad	< LOQ	0.2		0.04	ppm
Spiromesifen	< LOQ	0.2		0.04	ppm	Spirotetramat	< LOQ	0.2		0.04	ppm
Spiroxamine	< LOQ	0.4		0.04	ppm	Tebuconazole	< LOQ	0.4		0.04	ppm
Thiacloprid	< LOQ	0.2		0.04	ppm	Thiamethoxam	< LOQ	0.2		0.04	ppm
Trifloxystrobin	< LOQ	0.2		0.04	ppm						

ND - Compound not detected

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

Eric Wendt
Chief Science Officer - 11/27/2019



Hawaiian Haze

Sample ID: G9K0470-04

Matrix: Industrial Hemp

Test ID: 1015199

Source ID:

Date Sampled: 11/20/19

Date Accepted: 11/20/19

H Hemp Co

Molds and Fungi Screen

Date/Time Extracted: 11/25/19 11:11

Analysis Method/SOP: 301

Total Colonies: 2500 CFU/g

This is not a doctor's recommendation and is only a tool for helping compare your sample to CFU/g values observed in the lab. A large majority of samples fall within the 1400-8500 range.

Mold colony counting are not accredited to ORELAP TNI 2009 Quality Standards.

Results above 10000 CFU/g will be highlighted **Red**.

Eric Wendt
Chief Science Officer - 11/27/2019



Quality Control Potency

Batch: 1947062 - 215-Hemp

Blank(1947062-BLK1)						
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed
THCA	< LOQ	0.002920	%		11/22/19 11:36	11/22/19 19:27
delta 9-THC	< LOQ	0.009080	%		11/22/19 11:36	11/22/19 19:27
delta 8-THC	< LOQ	0.004490	%		11/22/19 11:36	11/22/19 19:27
Exo-THC	< LOQ	0.004175	%		11/22/19 11:36	11/22/19 19:27
THCV	< LOQ	0.005055	%		11/22/19 11:36	11/22/19 19:27
THCVA	< LOQ	0.001885	%		11/22/19 11:36	11/22/19 19:27
CBD	< LOQ	0.001555	%		11/22/19 11:36	11/22/19 19:27
CBDA	< LOQ	0.002075	%		11/22/19 11:36	11/22/19 19:27
CBDV	< LOQ	0.005000	%		11/22/19 11:36	11/22/19 19:27
CBDVA	< LOQ	0.001640	%		11/22/19 11:36	11/22/19 19:27
CBN	< LOQ	0.002990	%		11/22/19 11:36	11/22/19 19:27
CBG	< LOQ	7.900E-4	%		11/22/19 11:36	11/22/19 19:27
CBGA	< LOQ	7.900E-4	%		11/22/19 11:36	11/22/19 19:27
CBC	< LOQ	0.008965	%		11/22/19 11:36	11/22/19 19:27

Reference(1947062-SRM1)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
THCA	90.5	0.002920	%	80-120	11/22/19 11:36	11/22/19 19:50
delta 9-THC	99.2	0.009080	%	80-120	11/22/19 11:36	11/22/19 19:50
CBD	100	0.001555	%	80-120	11/22/19 11:36	11/22/19 19:50
CBDA	95.1	0.002075	%	80-120	11/22/19 11:36	11/22/19 19:50

Pesticide Analysis

Batch: 1948023 - 203

Blank(1948023-BLK1)						
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Abamectin	< LOQ	0.04	ppm		11/26/19 11:46	11/26/19 20:59
DDVP (Dichlorvos)	< LOQ	0.04	ppm		11/26/19 11:46	11/27/19 08:05
Acephate	< LOQ	0.04	ppm		11/26/19 11:46	11/26/19 20:59
Acequinocyl	< LOQ	0.04	ppm		11/26/19 11:46	11/26/19 20:59
Acetamiprid	< LOQ	0.04	ppm		11/26/19 11:46	11/26/19 20:59
Aldicarb	< LOQ	0.04	ppm		11/26/19 11:46	11/26/19 20:59
Azoxystrobin	< LOQ	0.04	ppm		11/26/19 11:46	11/26/19 20:59
Bifenazate	< LOQ	0.04	ppm		11/26/19 11:46	11/26/19 20:59
Bifenthrin	< LOQ	0.04	ppm		11/26/19 11:46	11/27/19 08:05
Boscalid	< LOQ	0.04	ppm		11/26/19 11:46	11/27/19 08:05
Carbaryl	< LOQ	0.04	ppm		11/26/19 11:46	11/26/19 20:59
Carbofuran	< LOQ	0.04	ppm		11/26/19 11:46	11/26/19 20:59
Chlorantraniliprole	< LOQ	0.04	ppm		11/26/19 11:46	11/26/19 20:59

Eric Wendt
Chief Science Officer - 11/27/2019



Quality Control Pesticide Analysis (Continued)

Batch: 1948023 - 203 (Continued)

Blank(1948023-BLK1)						
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Chlorfenapyr	< LOQ	0.04	ppm		11/26/19 11:46	11/27/19 08:05
Chlorpyrifos	< LOQ	0.04	ppm		11/26/19 11:46	11/27/19 08:05
Clofentezine	< LOQ	0.04	ppm		11/26/19 11:46	11/26/19 20:59
Cyfluthrin	< LOQ	0.04	ppm		11/26/19 11:46	11/27/19 08:05
Cypermethrin	< LOQ	0.04	ppm		11/26/19 11:46	11/27/19 08:05
Daminozide	< LOQ	0.04	ppm		11/26/19 11:46	11/26/19 20:59
Diazinon	< LOQ	0.04	ppm		11/26/19 11:46	11/26/19 20:59
Dimethoate	< LOQ	0.04	ppm		11/26/19 11:46	11/26/19 20:59
Ethoprophos	< LOQ	0.04	ppm		11/26/19 11:46	11/26/19 20:59
Etofenprox	< LOQ	0.04	ppm		11/26/19 11:46	11/26/19 20:59
Etoxazole	< LOQ	0.04	ppm		11/26/19 11:46	11/26/19 20:59
Fenoxycarb	< LOQ	0.04	ppm		11/26/19 11:46	11/26/19 20:59
Fenpyroximate	< LOQ	0.04	ppm		11/26/19 11:46	11/26/19 20:59
Fipronil	< LOQ	0.04	ppm		11/26/19 11:46	11/27/19 08:05
Flonicamid	< LOQ	0.04	ppm		11/26/19 11:46	11/26/19 20:59
Fludioxonil	< LOQ	0.04	ppm		11/26/19 11:46	11/27/19 08:05
Hexythiazox	< LOQ	0.04	ppm		11/26/19 11:46	11/26/19 20:59
Imazalil	< LOQ	0.04	ppm		11/26/19 11:46	11/26/19 20:59
Imidacloprid	< LOQ	0.04	ppm		11/26/19 11:46	11/26/19 20:59
Kresoxim-methyl	< LOQ	0.04	ppm		11/26/19 11:46	11/27/19 08:05
Malathion	< LOQ	0.04	ppm		11/26/19 11:46	11/27/19 08:05
Metalaxyl	< LOQ	0.04	ppm		11/26/19 11:46	11/26/19 20:59
Methiocarb	< LOQ	0.04	ppm		11/26/19 11:46	11/26/19 20:59
Methomyl	< LOQ	0.04	ppm		11/26/19 11:46	11/26/19 20:59
Methyl parathion	< LOQ	0.04	ppm		11/26/19 11:46	11/27/19 08:05
MGK-264	< LOQ	0.04	ppm		11/26/19 11:46	11/27/19 08:05
Myclobutanil	< LOQ	0.04	ppm		11/26/19 11:46	11/26/19 20:59
Naled	< LOQ	0.04	ppm		11/26/19 11:46	11/26/19 20:59
Oxamyl	< LOQ	0.04	ppm		11/26/19 11:46	11/26/19 20:59
Paclobutrazol	< LOQ	0.04	ppm		11/26/19 11:46	11/26/19 20:59
Permethrins	< LOQ	0.04	ppm		11/26/19 11:46	11/26/19 20:59
Phosmet	< LOQ	0.04	ppm		11/26/19 11:46	11/26/19 20:59
Piperonyl butoxide	< LOQ	0.1	ppm		11/26/19 11:46	11/26/19 20:59
Prallethrin	< LOQ	0.04	ppm		11/26/19 11:46	11/26/19 20:59
Propiconazole	< LOQ	0.04	ppm		11/26/19 11:46	11/27/19 08:05
Propoxur	< LOQ	0.04	ppm		11/26/19 11:46	11/26/19 20:59
Pyrethrins	< LOQ	0.1	ppm		11/26/19 11:46	11/26/19 20:59
Pyridaben	< LOQ	0.04	ppm		11/26/19 11:46	11/26/19 20:59

Eric Wendt
Chief Science Officer - 11/27/2019



Quality Control Pesticide Analysis (Continued)

Batch: 1948023 - 203 (Continued)

Blank(1948023-BLK1)						
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Spinosad	< LOQ	0.04	ppm		11/26/19 11:46	11/26/19 20:59
Spiromesifen	< LOQ	0.04	ppm		11/26/19 11:46	11/26/19 20:59
Spirotetramat	< LOQ	0.04	ppm		11/26/19 11:46	11/26/19 20:59
Spiroxamine	< LOQ	0.04	ppm		11/26/19 11:46	11/26/19 20:59
Tebuconazole	< LOQ	0.04	ppm		11/26/19 11:46	11/26/19 20:59
Thiacloprid	< LOQ	0.04	ppm		11/26/19 11:46	11/26/19 20:59
Thiamethoxam	< LOQ	0.04	ppm		11/26/19 11:46	11/26/19 20:59
Trifloxystrobin	< LOQ	0.04	ppm		11/26/19 11:46	11/26/19 20:59

LCS(1948023-BS1)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Abamectin	98.2	0.04	ppm	70-130	11/26/19 11:46	11/26/19 21:22
DDVP (Dichlorvos)	117	0.04	ppm	70-130	11/26/19 11:46	11/27/19 08:27
Acephate	94.6	0.04	ppm	70-130	11/26/19 11:46	11/26/19 21:22
Acequinocyl	101	0.04	ppm	52-97	11/26/19 11:46	11/26/19 21:22
Acetamiprid	104	0.04	ppm	70-130	11/26/19 11:46	11/26/19 21:22
Aldicarb	105	0.04	ppm	70-130	11/26/19 11:46	11/26/19 21:22
Azoxystrobin	101	0.04	ppm	70-130	11/26/19 11:46	11/26/19 21:22
Bifenazate	97.1	0.04	ppm	70-130	11/26/19 11:46	11/26/19 21:22
Bifenthrin	109	0.04	ppm	70-130	11/26/19 11:46	11/27/19 08:27
Boscalid	84.4	0.04	ppm	70-130	11/26/19 11:46	11/27/19 08:27
Carbaryl	98.8	0.04	ppm	70-130	11/26/19 11:46	11/26/19 21:22
Carbofuran	111	0.04	ppm	70-130	11/26/19 11:46	11/26/19 21:22
Chlorantraniliprole	85.9	0.04	ppm	70-130	11/26/19 11:46	11/26/19 21:22
Chlorfenapyr	96.5	0.04	ppm	70-130	11/26/19 11:46	11/27/19 08:27
Chlorpyrifos	104	0.04	ppm	70-130	11/26/19 11:46	11/27/19 08:27
Clofentezine	55.6	0.04	ppm	14.4-62.3	11/26/19 11:46	11/26/19 21:22
Cyfluthrin	95.0	0.04	ppm	70-130	11/26/19 11:46	11/27/19 08:27
Cypermethrin	86.5	0.04	ppm	70-130	11/26/19 11:46	11/27/19 08:27
Daminozide	4.75	0.04	ppm	0-100	11/26/19 11:46	11/26/19 21:22
Diazinon	105	0.04	ppm	70-130	11/26/19 11:46	11/26/19 21:22
Dimethoate	103	0.04	ppm	70-130	11/26/19 11:46	11/26/19 21:22
Ethoprophos	103	0.04	ppm	70-130	11/26/19 11:46	11/26/19 21:22
Etofenprox	106	0.04	ppm	70-130	11/26/19 11:46	11/26/19 21:22
Etoxazole	93.4	0.04	ppm	70-130	11/26/19 11:46	11/26/19 21:22
Fenoxycarb	117	0.04	ppm	70-130	11/26/19 11:46	11/26/19 21:22
Fenpyroximate	91.6	0.04	ppm	50-100	11/26/19 11:46	11/26/19 21:22
Fipronil	107	0.04	ppm	70-130	11/26/19 11:46	11/27/19 08:27
Fonicamid	123	0.04	ppm	70-130	11/26/19 11:46	11/26/19 21:22

Eric Wendt
Chief Science Officer - 11/27/2019



Quality Control Pesticide Analysis (Continued)

Batch: 1948023 - 203 (Continued)

LCS(1948023-BS1)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Fludioxonil	66.1	0.04	ppm	70-130	11/26/19 11:46	11/27/19 08:27
Hexythiazox	87.5	0.04	ppm	70-130	11/26/19 11:46	11/26/19 21:22
Imazalil	73.9	0.04	ppm	58-96.4	11/26/19 11:46	11/26/19 21:22
Imidacloprid	106	0.04	ppm	70-130	11/26/19 11:46	11/26/19 21:22
Kresoxim-methyl	105	0.04	ppm	70-130	11/26/19 11:46	11/27/19 08:27
Malathion	101	0.04	ppm	70-130	11/26/19 11:46	11/27/19 08:27
Metalaxyl	98.0	0.04	ppm	70-130	11/26/19 11:46	11/26/19 21:22
Methiocarb	106	0.04	ppm	70-130	11/26/19 11:46	11/26/19 21:22
Methomyl	106	0.04	ppm	70-130	11/26/19 11:46	11/26/19 21:22
Methyl parathion	87.4	0.04	ppm	70-130	11/26/19 11:46	11/27/19 08:27
MGK-264	98.7	0.04	ppm	70-130	11/26/19 11:46	11/27/19 08:27
Myclobutanil	105	0.04	ppm	70-130	11/26/19 11:46	11/26/19 21:22
Naled	82.6	0.04	ppm	36-93	11/26/19 11:46	11/26/19 21:22
Oxamyl	101	0.04	ppm	70-130	11/26/19 11:46	11/26/19 21:22
Paclobutrazol	113	0.04	ppm	70-130	11/26/19 11:46	11/26/19 21:22
Permethrins	113	0.04	ppm	70-130	11/26/19 11:46	11/26/19 21:22
Phosmet	99.5	0.04	ppm	70-130	11/26/19 11:46	11/26/19 21:22
Piperonyl butoxide	61.9	0.1	ppm	70-130	11/26/19 11:46	11/26/19 21:22
Prallethrin	112	0.04	ppm	70-130	11/26/19 11:46	11/26/19 21:22
Propiconazole	91.2	0.04	ppm	70-130	11/26/19 11:46	11/27/19 08:27
Propoxur	106	0.04	ppm	70-130	11/26/19 11:46	11/26/19 21:22
Pyrethrins	82.4	0.1	ppm	70-130	11/26/19 11:46	11/26/19 21:22
Pyridaben	95.2	0.04	ppm	70-130	11/26/19 11:46	11/26/19 21:22
Spinosad	68.4	0.04	ppm	45-114	11/26/19 11:46	11/26/19 21:22
Spiromesifen	86.4	0.04	ppm	70-130	11/26/19 11:46	11/26/19 21:22
Spirotetramat	98.7	0.04	ppm	70-130	11/26/19 11:46	11/26/19 21:22
Spiroxamine	62.2	0.04	ppm	55-95	11/26/19 11:46	11/26/19 21:22
Tebuconazole	110	0.04	ppm	70-130	11/26/19 11:46	11/26/19 21:22
Thiacloprid	106	0.04	ppm	70-130	11/26/19 11:46	11/26/19 21:22
Thiamethoxam	104	0.04	ppm	70-130	11/26/19 11:46	11/26/19 21:22
Trifloxystrobin	98.2	0.04	ppm	70-130	11/26/19 11:46	11/26/19 21:22

Mold and Fungi

Batch: 1948005 - 301

Blank(1948005-BLK1)						
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Molds and Fungi	< LOQ	10.0	cfu/g		11/25/19 11:11	11/27/19 09:28

Eric Wendt
Chief Science Officer - 11/27/2019



Quality Control Mold and Fungi (Continued)

Batch: 1948005 - 301 (Continued)

Blank(1948005-BLK2)						
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Molds and Fungi	< LOQ	10.0	cfu/g		11/25/19 11:11	11/27/19 09:28

Eric Wendt
Chief Science Officer - 11/27/2019