



Field Test

Sample ID: G3K0268-09

Matrix: Industrial Hemp

Test ID: 5025783

Source ID:

Date Sampled: 11/18/23

Date Accepted: 11/18/23

Harvest/Prod. Date: 10.07.2023

Results at a Glance

Pesticides : PASS

Metals : PASS



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Eric Wendt
Chief Science Officer - 12/2/2023

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Matrix: Industrial Hemp

Test ID: 5025783

Source ID:

Date Sampled: 11/18/23

Date Accepted: 11/18/23

Harvest/Prod. Date: 10.07.2023

Pesticide Analysis in ppm

Date/Time Extracted: 11/20/23 09:38

Analysis Method/SOP: 203

Analyte	Result	Action Level	LOD	LOQ	Units	Notes	Analyte	Result	Action Level	LOD	LOQ	Units	Notes
Abamectin	< LOQ	0.5		0.04	ppm		Acephate	< LOQ	0.4		0.04	ppm	
Acequinocyl	< LOQ	2		0.04	ppm		Acetamidrid	< 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		0.1	ppm		Chlorpyrifos	< LOQ	0.2		0.04	ppm	
Clofentezine	< LOQ	0.2		0.04	ppm		Cyfluthrin	< LOQ	1		0.1	ppm	
Cypermethrin	< LOQ	1		0.1	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		Fonicamid	< 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		1.0	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		0.5	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**.



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Field Test

Sample ID: G3K0268-09 Matrix: Industrial Hemp

Test ID: 5025783

Source ID:

Date Sampled: 11/18/23 Date Accepted: 11/18/23

Harvest/Prod. Date: 10.07.2023

Metals by ICPMS

Date/Time Extracted: 11/21/23 10:45

Analysis Method/SOP: Metals

Analyte	Result	Action Level	LOD	LOQ	Units
Arsenic	0.08	0.2	0.03	0.08	ug/g
Cadmium	< LOQ	0.2	0.02	0.08	ug/g
Lead	0.09	0.5	0.01	0.08	ug/g
Mercury	< LOQ	0.1	0.01	0.04	ug/g

<LOQ - Results below the Limit of Quantitation

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



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Quality Control Pesticide Analysis

Batch: 2347002 - 203

Blank(2347002-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Abamectin	< LOQ	0.04	ppm		11/20/23 09:38	11/20/23 18:00	
DDVP (Dichlorvos)	< LOQ	0.04	ppm		11/20/23 09:38	11/20/23 18:00	
Acephate	< LOQ	0.04	ppm		11/20/23 09:38	11/20/23 18:00	
Acequinocyl	< LOQ	0.04	ppm		11/20/23 09:38	11/20/23 18:00	
Acetamiprid	< LOQ	0.04	ppm		11/20/23 09:38	11/20/23 18:00	
Aldicarb	< LOQ	0.04	ppm		11/20/23 09:38	11/20/23 18:00	
Azoxystrobin	< LOQ	0.04	ppm		11/20/23 09:38	11/20/23 18:00	
Bifenazate	< LOQ	0.04	ppm		11/20/23 09:38	11/20/23 18:00	
Bifenthrin	< LOQ	0.04	ppm		11/20/23 09:38	11/20/23 18:00	
Boscalid	< LOQ	0.04	ppm		11/20/23 09:38	11/20/23 16:27	
Carbaryl	< LOQ	0.04	ppm		11/20/23 09:38	11/20/23 18:00	
Carbofuran	< LOQ	0.04	ppm		11/20/23 09:38	11/20/23 18:00	
Chlorantraniliprole	< LOQ	0.04	ppm		11/20/23 09:38	11/20/23 18:00	
Chlorfenapyr	< LOQ	0.1	ppm		11/20/23 09:38	11/20/23 16:27	
Chlorpyrifos	< LOQ	0.04	ppm		11/20/23 09:38	11/20/23 18:00	
Clofentezine	< LOQ	0.04	ppm		11/20/23 09:38	11/20/23 18:00	
Cyfluthrin	< LOQ	0.1	ppm		11/20/23 09:38	11/20/23 16:27	
Cypermethrin	< LOQ	0.1	ppm		11/20/23 09:38	11/20/23 16:27	
Daminozide	< LOQ	0.04	ppm		11/20/23 09:38	11/20/23 18:00	
Diazinon	< LOQ	0.04	ppm		11/20/23 09:38	11/20/23 18:00	
Dimethoate	< LOQ	0.04	ppm		11/20/23 09:38	11/20/23 18:00	
Ethoprophos	< LOQ	0.04	ppm		11/20/23 09:38	11/20/23 18:00	
Etofenprox	< LOQ	0.04	ppm		11/20/23 09:38	11/20/23 18:00	
Etoxazole	< LOQ	0.04	ppm		11/20/23 09:38	11/20/23 18:00	
Fenoxycarb	< LOQ	0.04	ppm		11/20/23 09:38	11/20/23 18:00	
Fenpyroximate	< LOQ	0.04	ppm		11/20/23 09:38	11/20/23 18:00	
Fipronil	< LOQ	0.04	ppm		11/20/23 09:38	11/20/23 16:27	
Fonicamid	< LOQ	0.04	ppm		11/20/23 09:38	11/20/23 18:00	
Fludioxonil	< LOQ	0.04	ppm		11/20/23 09:38	11/20/23 16:27	
Hexythiazox	< LOQ	0.04	ppm		11/20/23 09:38	11/20/23 18:00	
Imazalil	< LOQ	0.04	ppm		11/20/23 09:38	11/20/23 18:00	
Imidacloprid	< LOQ	0.04	ppm		11/20/23 09:38	11/20/23 18:00	
Kresoxim-methyl	< LOQ	0.04	ppm		11/20/23 09:38	11/20/23 16:27	
Metalaxyl	< LOQ	0.04	ppm		11/20/23 09:38	11/20/23 18:00	
Malathion	< LOQ	0.04	ppm		11/20/23 09:38	11/20/23 16:27	
Methiocarb	< LOQ	0.04	ppm		11/20/23 09:38	11/20/23 18:00	
Methomyl	< LOQ	0.04	ppm		11/20/23 09:38	11/20/23 18:00	
Myclobutanil	< LOQ	0.04	ppm		11/20/23 09:38	11/20/23 18:00	



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Quality Control Pesticide Analysis (Continued)

Batch: 2347002 - 203 (Continued)

Blank(2347002-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Methyl parathion	< LOQ	0.04	ppm		11/20/23 09:38	11/20/23 16:27	
Naled	< LOQ	0.04	ppm		11/20/23 09:38	11/20/23 18:00	
MGK-264	< LOQ	0.04	ppm		11/20/23 09:38	11/20/23 16:27	
Oxamyl	< LOQ	0.04	ppm		11/20/23 09:38	11/20/23 18:00	
Paclobutrazol	< LOQ	0.04	ppm		11/20/23 09:38	11/20/23 18:00	
Phosmet	< LOQ	0.04	ppm		11/20/23 09:38	11/20/23 18:00	
Permethrins	< LOQ	0.04	ppm		11/20/23 09:38	11/20/23 16:27	
Piperonyl butoxide	< LOQ	1.0	ppm		11/20/23 09:38	11/20/23 18:00	
Prallethrin	< LOQ	0.04	ppm		11/20/23 09:38	11/20/23 18:00	
Propiconazole	< LOQ	0.04	ppm		11/20/23 09:38	11/20/23 16:27	
Propoxur	< LOQ	0.04	ppm		11/20/23 09:38	11/20/23 18:00	
Pyrethrins	< LOQ	0.5	ppm		11/20/23 09:38	11/20/23 18:00	
Pyridaben	< LOQ	0.04	ppm		11/20/23 09:38	11/20/23 18:00	
Spinosad	< LOQ	0.04	ppm		11/20/23 09:38	11/20/23 18:00	
Spiromesifen	< LOQ	0.04	ppm		11/20/23 09:38	11/20/23 18:00	
Spirotetramat	< LOQ	0.04	ppm		11/20/23 09:38	11/20/23 18:00	
Spiroxamine	< LOQ	0.04	ppm		11/20/23 09:38	11/20/23 18:00	
Tebuconazole	< LOQ	0.04	ppm		11/20/23 09:38	11/20/23 18:00	
Thiacloprid	< LOQ	0.04	ppm		11/20/23 09:38	11/20/23 18:00	
Thiamethoxam	< LOQ	0.04	ppm		11/20/23 09:38	11/20/23 18:00	
Trifloxystrobin	< LOQ	0.04	ppm		11/20/23 09:38	11/20/23 18:00	

LCS(2347002-BS1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Abamectin	88.6	0.04	ppm	50-150	11/20/23 09:38	11/20/23 18:23	
DDVP (Dichlorvos)	107	0.04	ppm	60-120	11/20/23 09:38	11/20/23 18:23	
Acephate	115	0.04	ppm	60-120	11/20/23 09:38	11/20/23 18:23	
Acequinocyl	95.8	0.04	ppm	40-160	11/20/23 09:38	11/20/23 18:23	
Acetamiprid	111	0.04	ppm	60-120	11/20/23 09:38	11/20/23 18:23	
Aldicarb	115	0.04	ppm	60-120	11/20/23 09:38	11/20/23 18:23	
Azoxystrobin	113	0.04	ppm	60-120	11/20/23 09:38	11/20/23 18:23	
Bifenazate	108	0.04	ppm	60-120	11/20/23 09:38	11/20/23 18:23	
Bifenthrin	115	0.04	ppm	50-150	11/20/23 09:38	11/20/23 18:23	
Boscalid	102	0.04	ppm	60-120	11/20/23 09:38	11/20/23 16:51	
Carbaryl	105	0.04	ppm	60-120	11/20/23 09:38	11/20/23 18:23	
Carbofuran	108	0.04	ppm	60-120	11/20/23 09:38	11/20/23 18:23	
Chlorantraniliprole	112	0.04	ppm	60-120	11/20/23 09:38	11/20/23 18:23	
Chlorfenapyr	92.1	0.1	ppm	60-120	11/20/23 09:38	11/20/23 16:51	
Chlorpyrifos	96.8	0.04	ppm	60-120	11/20/23 09:38	11/20/23 18:23	



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Quality Control Pesticide Analysis (Continued)

Batch: 2347002 - 203 (Continued)

LCS(2347002-BS1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Clofentezine	98.9	0.04	ppm	60-120	11/20/23 09:38	11/20/23 18:23	
Cyfluthrin	100	0.1	ppm	50-150	11/20/23 09:38	11/20/23 16:51	
Cypermethrin	110	0.1	ppm	50-150	11/20/23 09:38	11/20/23 16:51	
Daminozide	117	0.04	ppm	60-120	11/20/23 09:38	11/20/23 18:23	
Diazinon	106	0.04	ppm	60-120	11/20/23 09:38	11/20/23 18:23	
Dimethoate	107	0.04	ppm	60-120	11/20/23 09:38	11/20/23 18:23	
Ethoprophos	111	0.04	ppm	60-120	11/20/23 09:38	11/20/23 18:23	
Etofenprox	115	0.04	ppm	50-150	11/20/23 09:38	11/20/23 18:23	
Etoxazole	117	0.04	ppm	60-120	11/20/23 09:38	11/20/23 18:23	
Fenoxycarb	104	0.04	ppm	60-120	11/20/23 09:38	11/20/23 18:23	
Fenpyroximate	112	0.04	ppm	60-120	11/20/23 09:38	11/20/23 18:23	
Fipronil	89.3	0.04	ppm	60-120	11/20/23 09:38	11/20/23 16:51	
Flonicamid	118	0.04	ppm	60-120	11/20/23 09:38	11/20/23 18:23	
Fludioxonil	76.6	0.04	ppm	50-150	11/20/23 09:38	11/20/23 16:51	
Hexythiazox	97.1	0.04	ppm	60-120	11/20/23 09:38	11/20/23 18:23	
Imazalil	99.2	0.04	ppm	60-120	11/20/23 09:38	11/20/23 18:23	
Imidacloprid	133	0.04	ppm	60-120	11/20/23 09:38	11/20/23 18:23	BSH
Kresoxim-methyl	89.9	0.04	ppm	60-120	11/20/23 09:38	11/20/23 16:51	
Metalaxyl	107	0.04	ppm	60-120	11/20/23 09:38	11/20/23 18:23	
Malathion	92.8	0.04	ppm	60-120	11/20/23 09:38	11/20/23 16:51	
Methiocarb	109	0.04	ppm	60-120	11/20/23 09:38	11/20/23 18:23	
Methomyl	108	0.04	ppm	60-120	11/20/23 09:38	11/20/23 18:23	
Myclobutanil	109	0.04	ppm	60-120	11/20/23 09:38	11/20/23 18:23	
Methyl parathion	88.8	0.04	ppm	50-150	11/20/23 09:38	11/20/23 16:51	
Naled	114	0.04	ppm	50-150	11/20/23 09:38	11/20/23 18:23	
MGK-264	91.2	0.04	ppm	50-150	11/20/23 09:38	11/20/23 16:51	
Oxamyl	106	0.04	ppm	60-120	11/20/23 09:38	11/20/23 18:23	
Paclobutrazol	101	0.04	ppm	60-120	11/20/23 09:38	11/20/23 18:23	
Phosmet	114	0.04	ppm	50-150	11/20/23 09:38	11/20/23 18:23	
Permethrins	94.1	0.04	ppm	50-150	11/20/23 09:38	11/20/23 16:51	
Piperonyl butoxide	83.7	1.0	ppm	60-120	11/20/23 09:38	11/20/23 18:23	
Prallethrin	113	0.04	ppm	60-120	11/20/23 09:38	11/20/23 18:23	
Propiconazole	82.0	0.04	ppm	60-120	11/20/23 09:38	11/20/23 16:51	
Propoxur	104	0.04	ppm	60-120	11/20/23 09:38	11/20/23 18:23	
Pyrethrins	98.0	0.5	ppm	60-120	11/20/23 09:38	11/20/23 18:23	
Pyridaben	111	0.04	ppm	50-150	11/20/23 09:38	11/20/23 18:23	
Spinosad	116	0.04	ppm	50-150	11/20/23 09:38	11/20/23 18:23	
Spiromesifen	109	0.04	ppm	60-120	11/20/23 09:38	11/20/23 18:23	



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Quality Control Pesticide Analysis (Continued)

Batch: 2347002 - 203 (Continued)

LCS(2347002-BS1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Spirotetramat	114	0.04	ppm	60-120	11/20/23 09:38	11/20/23 18:23	
Spiroxamine	103	0.04	ppm	60-120	11/20/23 09:38	11/20/23 18:23	
Tebuconazole	104	0.04	ppm	60-120	11/20/23 09:38	11/20/23 18:23	
Thiacloprid	116	0.04	ppm	60-120	11/20/23 09:38	11/20/23 18:23	
Thiamethoxam	119	0.04	ppm	60-120	11/20/23 09:38	11/20/23 18:23	
Trifloxystrobin	107	0.04	ppm	60-120	11/20/23 09:38	11/20/23 18:23	

Metals

Batch: 2347012 - 217

Blank(2347012-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Cadmium	< LOQ	0.08	ug/g		11/21/23 10:45	11/21/23 14:42	
Lead	< LOQ	0.08	ug/g		11/21/23 10:45	11/21/23 14:42	
Arsenic	< LOQ	0.08	ug/g		11/21/23 10:45	11/21/23 14:42	
Mercury	< LOQ	0.04	ug/g		11/21/23 10:45	11/21/23 14:42	

LCS(2347012-BS1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Cadmium	102	0.08	ug/g	80-115	11/21/23 10:45	11/21/23 14:44	
Lead	105	0.08	ug/g	80-115	11/21/23 10:45	11/21/23 14:44	
Arsenic	103	0.08	ug/g	80-115	11/21/23 10:45	11/21/23 14:44	
Mercury	95.2	0.04	ug/g	80-115	11/21/23 10:45	11/21/23 14:44	



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Notes and Definitions

Regulatory Compliance samples were collected onsite at facility according to SOP-402 and SOP-403 and following Sampling Plan FN117. Quality Control samples were tested as received. Results do not include uncertainty of measurements. Available upon request.

- ATM Non-cannabis matrix related interference or suppression of Internal standard
 - BLI Baseline Interference - Cannabinoid peak interference in chromatographic baseline affecting QC recovery .
 - BLK Analyte detected in method blank, but not associated samples.
 - BSH Blank Spike High - Blank Spike recovery above method limit. no detections in samples.
 - BSL Blank Spike Low - Blank Spike recovery below lower method limit, analyte chromatography reviewed manually for all samples.
 - CBD Interference due to co-elution
 - CV1 CBD matrix interference on GC Pest chromatography
 - CV2 CCV was above acceptance criteria, Non-detect samples are considered acceptable.
 - INF CCV was below acceptance criteria, sample still exceeds regulatory limit.
 - ISH One or more QC falls outside acceptance criteria. Data entered into LIMS for informational purposes only.
 - ISL Internal Standard concentration is above acceptance criteria.
 - MSH Internal Standard concentration is below acceptance criteria.
 - MSI Matrix Spike High - Matrix Spike recovery above method limits.
 - MSL Matrix Spike Interference - Matrix spike source sample contains analyte hit above calibration affecting recovery accuracy in Matrix Spike.
 - TPP
 - U Matrix Spike Low - Matrix Spike recovery below lower method limit, analyte chromatography reviewed manually for all samples.
- Internal Standard concentration outside control limit due to matrix interference



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