



Fern Valley Farms

Sample ID: G1G0023-01

Matrix: Industrial Hemp

Test ID: 5014260

Source ID:

Date Sampled: 06/30/21

Date Accepted: 06/30/21

Fern Valley Farms

Results at a Glance

Pesticides : **PASS**



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Eric Wendt
Chief Science Officer - 7/9/2021

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Fern Valley Farms

Sample ID: G1G0023-01

Matrix: Industrial Hemp

Test ID: 5014260

Source ID:

Date Sampled: 06/30/21

Date Accepted: 06/30/21

Fern Valley Farms

Pesticide Analysis in ppm

Date/Time Extracted: 07/01/21 13:28

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		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		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		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**.



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Quality Control Pesticide Analysis

Batch: 2127051 - 203

Blank(2127051-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Abamectin	< LOQ	0.04	ppm		07/01/21 13:28	07/01/21 22:58	
DDVP (Dichlorvos)	< LOQ	0.04	ppm		07/01/21 13:28	07/01/21 22:58	
Acephate	< LOQ	0.04	ppm		07/01/21 13:28	07/01/21 22:58	
Acequinocyl	< LOQ	0.04	ppm		07/01/21 13:28	07/01/21 22:58	
Acetamiprid	< LOQ	0.04	ppm		07/01/21 13:28	07/01/21 22:58	
Aldicarb	< LOQ	0.04	ppm		07/01/21 13:28	07/01/21 22:58	
Azoxystrobin	< LOQ	0.04	ppm		07/01/21 13:28	07/01/21 22:58	
Bifenazate	< LOQ	0.04	ppm		07/01/21 13:28	07/01/21 22:58	
Bifenthrin	< LOQ	0.04	ppm		07/01/21 13:28	07/01/21 22:58	
Boscalid	< LOQ	0.04	ppm		07/01/21 13:28	07/01/21 21:03	
Carbaryl	< LOQ	0.04	ppm		07/01/21 13:28	07/01/21 22:58	
Carbofuran	< LOQ	0.04	ppm		07/01/21 13:28	07/01/21 22:58	
Chlorantraniliprole	< LOQ	0.04	ppm		07/01/21 13:28	07/01/21 22:58	
Chlorfenapyr	< LOQ	0.04	ppm		07/01/21 13:28	07/01/21 21:03	
Chlorpyrifos	< LOQ	0.04	ppm		07/01/21 13:28	07/01/21 22:58	
Clofentezine	< LOQ	0.04	ppm		07/01/21 13:28	07/01/21 22:58	
Cyfluthrin	< LOQ	0.04	ppm		07/01/21 13:28	07/01/21 21:03	
Cypermethrin	< LOQ	0.04	ppm		07/01/21 13:28	07/01/21 21:03	
Daminozide	< LOQ	0.04	ppm		07/01/21 13:28	07/01/21 22:58	
Diazinon	< LOQ	0.04	ppm		07/01/21 13:28	07/01/21 22:58	
Dimethoate	< LOQ	0.04	ppm		07/01/21 13:28	07/01/21 22:58	
Ethoprophos	< LOQ	0.04	ppm		07/01/21 13:28	07/01/21 22:58	
Etofenprox	< LOQ	0.04	ppm		07/01/21 13:28	07/01/21 22:58	
Etoxazole	< LOQ	0.04	ppm		07/01/21 13:28	07/01/21 22:58	
Fenoxycarb	< LOQ	0.04	ppm		07/01/21 13:28	07/01/21 22:58	
Fenpyroximate	< LOQ	0.04	ppm		07/01/21 13:28	07/01/21 22:58	
Fipronil	< LOQ	0.04	ppm		07/01/21 13:28	07/01/21 21:03	
Flonicamid	< LOQ	0.04	ppm		07/01/21 13:28	07/01/21 22:58	
Fludioxonil	< LOQ	0.04	ppm		07/01/21 13:28	07/01/21 21:03	
Hexythiazox	< LOQ	0.04	ppm		07/01/21 13:28	07/01/21 22:58	
Imazalil	< LOQ	0.04	ppm		07/01/21 13:28	07/01/21 22:58	
Imidacloprid	< LOQ	0.04	ppm		07/01/21 13:28	07/01/21 22:58	
Kresoxim-methyl	< LOQ	0.04	ppm		07/01/21 13:28	07/01/21 21:03	
Metalaxyl	< LOQ	0.04	ppm		07/01/21 13:28	07/01/21 22:58	
Malathion	< LOQ	0.04	ppm		07/01/21 13:28	07/01/21 21:03	
Methiocarb	< LOQ	0.04	ppm		07/01/21 13:28	07/01/21 22:58	
Methomyl	< LOQ	0.04	ppm		07/01/21 13:28	07/01/21 22:58	
Myclobutanil	< LOQ	0.04	ppm		07/01/21 13:28	07/01/21 22:58	



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Quality Control Pesticide Analysis (Continued)

Batch: 2127051 - 203 (Continued)

Blank(2127051-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Methyl parathion	< LOQ	0.04	ppm		07/01/21 13:28	07/01/21 21:03	
Naled	< LOQ	0.04	ppm		07/01/21 13:28	07/01/21 22:58	
MGK-264	< LOQ	0.04	ppm		07/01/21 13:28	07/01/21 21:03	
Oxamyl	< LOQ	0.04	ppm		07/01/21 13:28	07/01/21 22:58	
Paclobutrazol	< LOQ	0.04	ppm		07/01/21 13:28	07/01/21 22:58	
Phosmet	< LOQ	0.04	ppm		07/01/21 13:28	07/01/21 22:58	
Permethrins	< LOQ	0.04	ppm		07/01/21 13:28	07/01/21 21:03	
Piperonyl butoxide	< LOQ	0.1	ppm		07/01/21 13:28	07/01/21 22:58	
Prallethrin	< LOQ	0.04	ppm		07/01/21 13:28	07/01/21 22:58	
Propiconazole	< LOQ	0.04	ppm		07/01/21 13:28	07/01/21 21:03	
Propoxur	< LOQ	0.04	ppm		07/01/21 13:28	07/01/21 22:58	
Pyrethrins	< LOQ	0.1	ppm		07/01/21 13:28	07/01/21 22:58	
Pyridaben	< LOQ	0.04	ppm		07/01/21 13:28	07/01/21 22:58	
Spinosad	< LOQ	0.04	ppm		07/01/21 13:28	07/01/21 22:58	
Spiromesifen	< LOQ	0.04	ppm		07/01/21 13:28	07/01/21 22:58	
Spirotetramat	< LOQ	0.04	ppm		07/01/21 13:28	07/01/21 22:58	
Spiroxamine	< LOQ	0.04	ppm		07/01/21 13:28	07/01/21 22:58	
Tebuconazole	< LOQ	0.04	ppm		07/01/21 13:28	07/01/21 22:58	
Thiacloprid	< LOQ	0.04	ppm		07/01/21 13:28	07/01/21 22:58	
Thiamethoxam	< LOQ	0.04	ppm		07/01/21 13:28	07/01/21 22:58	
Trifloxystrobin	< LOQ	0.04	ppm		07/01/21 13:28	07/01/21 22:58	

LCS(2127051-BS1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Abamectin	124	0.04	ppm	70-130	07/01/21 13:28	07/01/21 23:22	
DDVP (Dichlorvos)	102	0.04	ppm	70-130	07/01/21 13:28	07/01/21 23:22	
Acephate	101	0.04	ppm	70-130	07/01/21 13:28	07/01/21 23:22	
Acequinocyl	95.3	0.04	ppm	52-97	07/01/21 13:28	07/01/21 23:22	
Acetamiprid	109	0.04	ppm	70-130	07/01/21 13:28	07/01/21 23:22	
Aldicarb	109	0.04	ppm	70-130	07/01/21 13:28	07/01/21 23:22	
Azoxystrobin	108	0.04	ppm	70-130	07/01/21 13:28	07/01/21 23:22	
Bifenazate	112	0.04	ppm	70-130	07/01/21 13:28	07/01/21 23:22	
Bifenthrin	107	0.04	ppm	70-130	07/01/21 13:28	07/01/21 23:22	
Boscalid	107	0.04	ppm	70-130	07/01/21 13:28	07/01/21 21:26	
Carbaryl	107	0.04	ppm	70-130	07/01/21 13:28	07/01/21 23:22	
Carbofuran	106	0.04	ppm	70-130	07/01/21 13:28	07/01/21 23:22	
Chlorantraniliprole	113	0.04	ppm	26.2-145	07/01/21 13:28	07/01/21 23:22	
Chlorfenapyr	102	0.04	ppm	71-140	07/01/21 13:28	07/01/21 21:26	
Chlorpyrifos	103	0.04	ppm	70-130	07/01/21 13:28	07/01/21 23:22	



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Quality Control Pesticide Analysis (Continued)

Batch: 2127051 - 203 (Continued)

LCS(2127051-BS1)									
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analized	Notes		
Clofentezine	109	0.04	ppm	14.4-62.3	07/01/21 13:28	07/01/21 23:22	BSH		
Cyfluthrin	110	0.04	ppm	70-130	07/01/21 13:28	07/01/21 21:26			
Cypermethrin	112	0.04	ppm	70-130	07/01/21 13:28	07/01/21 21:26			
Daminozide	971	0.04	ppm	11-74.6	07/01/21 13:28	07/01/21 23:22	BSH		
Diazinon	104	0.04	ppm	70-130	07/01/21 13:28	07/01/21 23:22			
Dimethoate	104	0.04	ppm	70-130	07/01/21 13:28	07/01/21 23:22			
Ethoprophos	106	0.04	ppm	70-130	07/01/21 13:28	07/01/21 23:22			
Etofenprox	106	0.04	ppm	70-130	07/01/21 13:28	07/01/21 23:22			
Etoxazole	99.0	0.04	ppm	70-130	07/01/21 13:28	07/01/21 23:22			
Fenoxycarb	107	0.04	ppm	70-130	07/01/21 13:28	07/01/21 23:22			
Fenpyroximate	109	0.04	ppm	50-100	07/01/21 13:28	07/01/21 23:22	BSH		
Fipronil	97.2	0.04	ppm	70-130	07/01/21 13:28	07/01/21 21:26			
Flonicamid	113	0.04	ppm	70-130	07/01/21 13:28	07/01/21 23:22			
Fludioxonil	85.9	0.04	ppm	70-130	07/01/21 13:28	07/01/21 21:26			
Hexythiazox	113	0.04	ppm	66-116	07/01/21 13:28	07/01/21 23:22			
Imazalil	121	0.04	ppm	58-96.4	07/01/21 13:28	07/01/21 23:22	BSH		
Imidacloprid	113	0.04	ppm	70-130	07/01/21 13:28	07/01/21 23:22			
Kresoxim-methyl	102	0.04	ppm	70-130	07/01/21 13:28	07/01/21 21:26			
Metalaxyl	109	0.04	ppm	70-130	07/01/21 13:28	07/01/21 23:22			
Malathion	90.0	0.04	ppm	70-130	07/01/21 13:28	07/01/21 21:26			
Methiocarb	111	0.04	ppm	70-130	07/01/21 13:28	07/01/21 23:22			
Methomyl	111	0.04	ppm	70-130	07/01/21 13:28	07/01/21 23:22			
Myclobutanil	111	0.04	ppm	70-130	07/01/21 13:28	07/01/21 23:22			
Methyl parathion	71.3	0.04	ppm	61-124	07/01/21 13:28	07/01/21 21:26			
Naled	103	0.04	ppm	36-93	07/01/21 13:28	07/01/21 23:22	BSH		
MGK-264	99.8	0.04	ppm	70-130	07/01/21 13:28	07/01/21 21:26			
Oxamyl	108	0.04	ppm	70-130	07/01/21 13:28	07/01/21 23:22			
Paclobutrazol	110	0.04	ppm	70-130	07/01/21 13:28	07/01/21 23:22			
Phosmet	105	0.04	ppm	70-130	07/01/21 13:28	07/01/21 23:22			
Permethrins	104	0.04	ppm	70-130	07/01/21 13:28	07/01/21 21:26			
Piperonyl butoxide	93.6	0.1	ppm	57-134	07/01/21 13:28	07/01/21 23:22			
Prallethrin	105	0.04	ppm	70-130	07/01/21 13:28	07/01/21 23:22			
Propiconazole	100	0.04	ppm	67-119	07/01/21 13:28	07/01/21 21:26			
Propoxur	108	0.04	ppm	70-130	07/01/21 13:28	07/01/21 23:22			
Pyrethrins	63.5	0.1	ppm	57-109	07/01/21 13:28	07/01/21 23:22			
Pyridaben	117	0.04	ppm	70-130	07/01/21 13:28	07/01/21 23:22			
Spinosad	113	0.04	ppm	70-130	07/01/21 13:28	07/01/21 23:22			
Spiromesifen	110	0.04	ppm	70-130	07/01/21 13:28	07/01/21 23:22			



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Quality Control Pesticide Analysis (Continued)

Batch: 2127051 - 203 (Continued)

LCS(2127051-BS1)								
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analized	Notes	
Spirotetramat	108	0.04	ppm	70-130	07/01/21 13:28	07/01/21 23:22		
Spiroxamine	106	0.04	ppm	72-153	07/01/21 13:28	07/01/21 23:22		
Tebuconazole	114	0.04	ppm	70-130	07/01/21 13:28	07/01/21 23:22		
Thiacloprid	111	0.04	ppm	70-130	07/01/21 13:28	07/01/21 23:22		
Thiamethoxam	111	0.04	ppm	70-130	07/01/21 13:28	07/01/21 23:22		
Trifloxystrobin	102	0.04	ppm	70-130	07/01/21 13:28	07/01/21 23:22		



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Notes and Definitions

- 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.
- C Interference due to co-elution
- 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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