



### Sour Jack D8

Sample ID: G2A0004-07

Matrix: Industrial Hemp

Test ID: 5021210

Source ID:

Date Sampled: 01/03/22

Date Accepted: 01/03/22

**KMS AG Consulting**

### Results at a Glance

Total THC : 0.2174 %

Total CBD : 10.42 %

Total CBG : 0.2399 %

delta 8-THC : 24.45 % **PASS**

Pesticides : **PASS**

Residual Solvent Analysis : **PASS**

Cadmium : 0.260 ug/g **PASS**



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Eric Wendt  
Chief Science Officer - 1/12/2022



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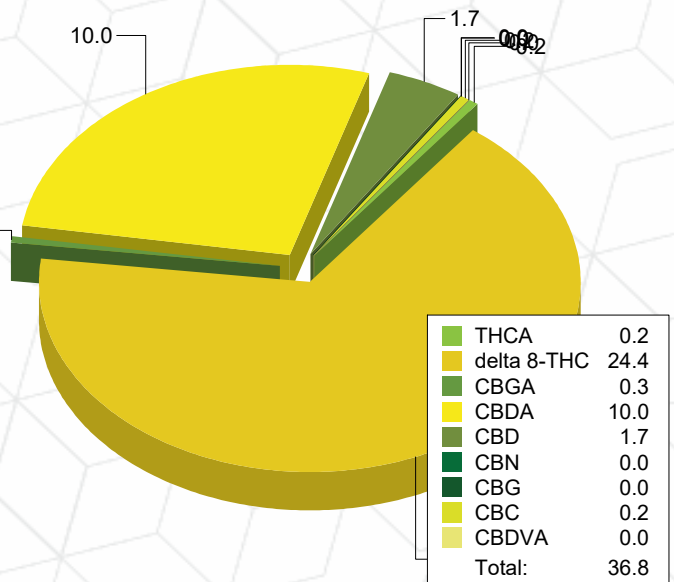
### Potency Analysis

Date/Time Extracted: 01/05/22 13:46

Analysis Method/SOP: 215

Batch Identification: 2202031

Cannabinoids	LOQ (%)	% by Wt.	mg/g	Cannabinoids Profile	
Total THC	0.009080	0.2174	2.174		
Total CBD	0.008300	10.42	104.2		
Total CBG	7.900E-4	0.2399	2.399		
THCA	5.000E-4	0.2478	2.478		
delta 9-THC	5.000E-4	< LOQ	< LOQ		
delta 8-THC	0.03592	24.45	244.5		
THCV	0.005055	< LOQ	< LOQ		
THCVA	0.001885	< LOQ	< LOQ		
CBD	0.002000	1.681	16.81		
CBDA	0.002000	9.965	99.65		
CBDV	0.005000	< LOQ	< LOQ		
CBDVA	0.001640	0.01063	0.1063		
CBN	0.002990	0.009907	0.09907		
CBG	7.900E-4	0.01805	0.1805		
CBGA	7.900E-4	0.2526	2.526		
CBC	0.008965	0.1632	1.632		



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

Total CBD = CBD + (CBDA \* 0.877)

Total CBG = CBG + (CBGA \* 0.878)

LOQ=Limit of Quantification, the lowest measurable concentration of an analyte.



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### Pesticide Analysis in ppm

Date/Time Extracted: 01/04/22 12:55

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		0.04	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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**KMS AG Consulting**

### Residual Solvents

Date/Time Extracted: 01/04/22 12:28

Analysis Method/SOP: 205

Analyte	Result	Action Level	LOD	LOQ	Units	Notes
1,4-Dioxane	< LOQ	380		50.00	ppm	
2-Butanol	< LOQ	5000		1000	ppm	
2-Ethoxyethanol	< LOQ	160		80.00	ppm	
2-Propanol (IPA)	< LOQ	5000		1000	ppm	
Acetone	< LOQ	5000		1000	ppm	
Acetonitrile	< LOQ	410		50.00	ppm	
Benzene	< LOQ	2		1.000	ppm	
Butanes	< LOQ	5000		1000	ppm	
Cumene	< LOQ	70		35.00	ppm	
Cyclohexane	< LOQ	3880		50.00	ppm	
Dichloromethane	< LOQ	600		50.00	ppm	
Ethyl acetate	< LOQ	5000		1000	ppm	
Ethyl benzene	< LOQ	2170		35.00	ppm	
Ethyl ether	< LOQ	5000		1000	ppm	
Ethylene glycol	< LOQ	620		310.0	ppm	
Ethylene oxide	< LOQ	50		25.00	ppm	
Heptane	< LOQ	5000		1000	ppm	
Hexanes	< LOQ	290		50.00	ppm	
Isopropyl acetate	< LOQ	5000		1000	ppm	
Methanol	< LOQ	3000		1000	ppm	
Pentanes	< LOQ	5000		1000	ppm	
Propane	< LOQ	5000		1000	ppm	
Tetrahydrofuran	< LOQ	720		50.00	ppm	
Toluene	< LOQ	890		50.00	ppm	
Xylenes	< LOQ	2170		50.00	ppm	

<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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Source ID:

Date Sampled: 01/03/22

Date Accepted: 01/03/22

**KMS AG Consulting**

### Metals Analysis by ICPMS

Date/Time Extracted: 01/06/22 11:18

Analysis Method/SOP: HM-001

Analyte	Result	LOD	LOQ	Units
Arsenic	0.125	0.0110	0.0500	ug/g
Cadmium	0.260	0.00100	0.0500	ug/g
Lead	0.328	0.00150	0.0500	ug/g
Mercury	< LOQ	0.00350	0.0100	ug/g

Metal analyses are not accredited to ORELAP TNI 2009 Quality Standards.  
<LOQ - Results below the Limit of Quantitation - Compound not detected

Analysis Subcontracted to Green Leaf Labs - SCCA.



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### Quality Control Potency

Batch: 2202031 - 215-Hemp

Blank(2202031-BLK2)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	< LOQ	5.000E-4	%		01/05/22 13:46	01/06/22 02:32	
delta 9-THC	< LOQ	5.000E-4	%		01/05/22 13:46	01/06/22 02:32	
delta 8-THC	< LOQ	0.004490	%		01/05/22 13:46	01/06/22 02:32	
THCV	< LOQ	0.005055	%		01/05/22 13:46	01/06/22 02:32	
THCVA	< LOQ	0.001885	%		01/05/22 13:46	01/06/22 02:32	
CBD	< LOQ	5.000E-4	%		01/05/22 13:46	01/06/22 02:32	
CBDA	< LOQ	5.000E-4	%		01/05/22 13:46	01/06/22 02:32	
CBDV	< LOQ	0.005000	%		01/05/22 13:46	01/06/22 02:32	
CBDVA	< LOQ	0.001640	%		01/05/22 13:46	01/06/22 02:32	
CBN	< LOQ	0.002990	%		01/05/22 13:46	01/06/22 02:32	
CBG	< LOQ	7.900E-4	%		01/05/22 13:46	01/06/22 02:32	
CBGA	< LOQ	7.900E-4	%		01/05/22 13:46	01/06/22 02:32	
CBC	< LOQ	0.008965	%		01/05/22 13:46	01/06/22 02:32	

Reference(2202031-SRM2)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	110	5.000E-4	%	80-120	01/05/22 13:46	01/06/22 02:54	
delta 9-THC	104	5.000E-4	%	80-120	01/05/22 13:46	01/06/22 02:54	
CBD	103	5.000E-4	%	80-120	01/05/22 13:46	01/06/22 02:54	
CBDA	108	5.000E-4	%	80-120	01/05/22 13:46	01/06/22 02:54	

### Pesticide Analysis

Batch: 2202017 - 203

Blank(2202017-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Abamectin	< LOQ	0.04	ppm		01/04/22 12:55	01/04/22 17:47	
DDVP (Dichlorvos)	< LOQ	0.04	ppm		01/04/22 12:55	01/04/22 17:47	
Acephate	< LOQ	0.04	ppm		01/04/22 12:55	01/04/22 17:47	
Acequinocyl	< LOQ	0.04	ppm		01/04/22 12:55	01/04/22 17:47	
Acetamiprid	< LOQ	0.04	ppm		01/04/22 12:55	01/04/22 17:47	
Aldicarb	< LOQ	0.04	ppm		01/04/22 12:55	01/04/22 17:47	
Azoxystrobin	< LOQ	0.04	ppm		01/04/22 12:55	01/04/22 17:47	
Bifenazate	< LOQ	0.04	ppm		01/04/22 12:55	01/04/22 17:47	
Bifenthrin	< LOQ	0.04	ppm		01/04/22 12:55	01/04/22 17:47	
Boscalid	< LOQ	0.04	ppm		01/04/22 12:55	01/05/22 10:10	
Carbaryl	< LOQ	0.04	ppm		01/04/22 12:55	01/04/22 17:47	
Carbofuran	< LOQ	0.04	ppm		01/04/22 12:55	01/04/22 17:47	
Chlorantraniliprole	< LOQ	0.04	ppm		01/04/22 12:55	01/04/22 17:47	
Chlorfenapyr	< LOQ	0.04	ppm		01/04/22 12:55	01/05/22 10:10	



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### Quality Control Pesticide Analysis (Continued)

Batch: 2202017 - 203 (Continued)

Blank(2202017-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Chlorpyrifos	< LOQ	0.04	ppm		01/04/22 12:55	01/04/22 17:47	
Clofentezine	< LOQ	0.04	ppm		01/04/22 12:55	01/04/22 17:47	
Cyfluthrin	< LOQ	0.04	ppm		01/04/22 12:55	01/05/22 10:10	
Cypermethrin	< LOQ	0.04	ppm		01/04/22 12:55	01/05/22 10:10	
Daminozide	< LOQ	0.04	ppm		01/04/22 12:55	01/04/22 17:47	
Diazinon	< LOQ	0.04	ppm		01/04/22 12:55	01/04/22 17:47	
Dimethoate	< LOQ	0.04	ppm		01/04/22 12:55	01/04/22 17:47	
Ethoprophos	< LOQ	0.04	ppm		01/04/22 12:55	01/04/22 17:47	
Etofenprox	< LOQ	0.04	ppm		01/04/22 12:55	01/04/22 17:47	
Etoxazole	< LOQ	0.04	ppm		01/04/22 12:55	01/04/22 17:47	
Fenoxycarb	< LOQ	0.04	ppm		01/04/22 12:55	01/04/22 17:47	
Fenpyroximate	< LOQ	0.04	ppm		01/04/22 12:55	01/04/22 17:47	
Fipronil	< LOQ	0.04	ppm		01/04/22 12:55	01/05/22 10:10	
Flonicamid	< LOQ	0.04	ppm		01/04/22 12:55	01/04/22 17:47	
Fludioxonil	< LOQ	0.04	ppm		01/04/22 12:55	01/05/22 10:10	
Hexythiazox	< LOQ	0.04	ppm		01/04/22 12:55	01/04/22 17:47	
Imazalil	< LOQ	0.04	ppm		01/04/22 12:55	01/04/22 17:47	
Imidacloprid	< LOQ	0.04	ppm		01/04/22 12:55	01/04/22 17:47	
Kresoxim-methyl	< LOQ	0.04	ppm		01/04/22 12:55	01/05/22 10:10	
Metalaxyl	< LOQ	0.04	ppm		01/04/22 12:55	01/04/22 17:47	
Malathion	< LOQ	0.04	ppm		01/04/22 12:55	01/05/22 10:10	
Methiocarb	< LOQ	0.04	ppm		01/04/22 12:55	01/04/22 17:47	
Methomyl	< LOQ	0.04	ppm		01/04/22 12:55	01/04/22 17:47	
Myclobutanil	< LOQ	0.04	ppm		01/04/22 12:55	01/04/22 17:47	
Methyl parathion	< LOQ	0.04	ppm		01/04/22 12:55	01/05/22 10:10	
Naled	< LOQ	0.04	ppm		01/04/22 12:55	01/04/22 17:47	
MGK-264	< LOQ	0.04	ppm		01/04/22 12:55	01/05/22 10:10	
Oxamyl	< LOQ	0.04	ppm		01/04/22 12:55	01/04/22 17:47	
Paclobutrazol	< LOQ	0.04	ppm		01/04/22 12:55	01/04/22 17:47	
Phosmet	< LOQ	0.04	ppm		01/04/22 12:55	01/04/22 17:47	
Permethrins	< LOQ	0.04	ppm		01/04/22 12:55	01/05/22 10:10	
Piperonyl butoxide	< LOQ	0.1	ppm		01/04/22 12:55	01/04/22 17:47	
Prallethrin	< LOQ	0.04	ppm		01/04/22 12:55	01/04/22 17:47	
Propiconazole	< LOQ	0.04	ppm		01/04/22 12:55	01/05/22 10:10	
Propoxur	< LOQ	0.04	ppm		01/04/22 12:55	01/04/22 17:47	
Pyrethrins	< LOQ	0.1	ppm		01/04/22 12:55	01/04/22 17:47	
Pyridaben	< LOQ	0.04	ppm		01/04/22 12:55	01/04/22 17:47	
Spinosad	< LOQ	0.04	ppm		01/04/22 12:55	01/04/22 17:47	



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### Quality Control Pesticide Analysis (Continued)

Batch: 2202017 - 203 (Continued)

Blank(2202017-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Spiromesifen	< LOQ	0.04	ppm		01/04/22 12:55	01/04/22 17:47	
Spirotetramat	< LOQ	0.04	ppm		01/04/22 12:55	01/04/22 17:47	
Spiroxamine	< LOQ	0.04	ppm		01/04/22 12:55	01/04/22 17:47	
Tebuconazole	< LOQ	0.04	ppm		01/04/22 12:55	01/04/22 17:47	
Thiacloprid	< LOQ	0.04	ppm		01/04/22 12:55	01/04/22 17:47	
Thiamethoxam	< LOQ	0.04	ppm		01/04/22 12:55	01/04/22 17:47	
Trifloxystrobin	< LOQ	0.04	ppm		01/04/22 12:55	01/04/22 17:47	

LCS(2202017-BS1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Abamectin	128	0.04	ppm	70-130	01/04/22 12:55	01/04/22 18:10	
DDVP (Dichlorvos)	94.7	0.04	ppm	70-130	01/04/22 12:55	01/04/22 18:10	
Acephate	106	0.04	ppm	70-130	01/04/22 12:55	01/04/22 18:10	
Acequinocyl	109	0.04	ppm	52-97	01/04/22 12:55	01/04/22 18:10	BSH
Acetamiprid	104	0.04	ppm	70-130	01/04/22 12:55	01/04/22 18:10	
Aldicarb	111	0.04	ppm	70-130	01/04/22 12:55	01/04/22 18:10	
Azoxystrobin	111	0.04	ppm	70-130	01/04/22 12:55	01/04/22 18:10	
Bifenazate	106	0.04	ppm	70-130	01/04/22 12:55	01/04/22 18:10	
Bifenthrin	98.2	0.04	ppm	70-130	01/04/22 12:55	01/04/22 18:10	
Boscalid	90.9	0.04	ppm	70-130	01/04/22 12:55	01/05/22 10:33	
Carbaryl	101	0.04	ppm	70-130	01/04/22 12:55	01/04/22 18:10	
Carbofuran	98.1	0.04	ppm	70-130	01/04/22 12:55	01/04/22 18:10	
Chlorantraniliprole	50.1	0.04	ppm	26.2-145	01/04/22 12:55	01/04/22 18:10	
Chlorfenapyr	104	0.04	ppm	71-140	01/04/22 12:55	01/05/22 10:33	
Chlorpyrifos	98.8	0.04	ppm	70-130	01/04/22 12:55	01/04/22 18:10	
Clofentezine	110	0.04	ppm	14.4-62.3	01/04/22 12:55	01/04/22 18:10	BSH
Cyfluthrin	77.5	0.04	ppm	70-130	01/04/22 12:55	01/05/22 10:33	
Cypermethrin	75.7	0.04	ppm	70-130	01/04/22 12:55	01/05/22 10:33	
Daminozide	43.3	0.04	ppm	11-74.6	01/04/22 12:55	01/04/22 18:10	
Diazinon	90.6	0.04	ppm	70-130	01/04/22 12:55	01/04/22 18:10	
Dimethoate	104	0.04	ppm	70-130	01/04/22 12:55	01/04/22 18:10	
Ethoprophos	87.6	0.04	ppm	70-130	01/04/22 12:55	01/04/22 18:10	
Etofenprox	113	0.04	ppm	70-130	01/04/22 12:55	01/04/22 18:10	
Etoxazole	109	0.04	ppm	70-130	01/04/22 12:55	01/04/22 18:10	
Fenoxycarb	99.0	0.04	ppm	70-130	01/04/22 12:55	01/04/22 18:10	
Fenpyroximate	102	0.04	ppm	50-100	01/04/22 12:55	01/04/22 18:10	BSH
Fipronil	93.0	0.04	ppm	70-130	01/04/22 12:55	01/05/22 10:33	
Flonicamid	112	0.04	ppm	70-130	01/04/22 12:55	01/04/22 18:10	
Fludioxonil	72.2	0.04	ppm	70-130	01/04/22 12:55	01/05/22 10:33	



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### Quality Control Pesticide Analysis (Continued)

Batch: 2202017 - 203 (Continued)

LCS(2202017-BS1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Hexythiazox	99.5	0.04	ppm	66-116	01/04/22 12:55	01/04/22 18:10	
Imazalil	93.0	0.04	ppm	58-96.4	01/04/22 12:55	01/04/22 18:10	
Imidacloprid	103	0.04	ppm	70-130	01/04/22 12:55	01/04/22 18:10	
Kresoxim-methyl	92.5	0.04	ppm	70-130	01/04/22 12:55	01/05/22 10:33	
Metalaxyl	97.7	0.04	ppm	70-130	01/04/22 12:55	01/04/22 18:10	
Malathion	92.4	0.04	ppm	70-130	01/04/22 12:55	01/05/22 10:33	
Methiocarb	106	0.04	ppm	70-130	01/04/22 12:55	01/04/22 18:10	
Methomyl	140	0.04	ppm	70-130	01/04/22 12:55	01/04/22 18:10	BSH
Myclobutanil	97.6	0.04	ppm	70-130	01/04/22 12:55	01/04/22 18:10	
Methyl parathion	85.9	0.04	ppm	61-124	01/04/22 12:55	01/05/22 10:33	
Naled	102	0.04	ppm	36-93	01/04/22 12:55	01/04/22 18:10	BSH
MGK-264	97.1	0.04	ppm	70-130	01/04/22 12:55	01/05/22 10:33	
Oxamyl	103	0.04	ppm	70-130	01/04/22 12:55	01/04/22 18:10	
Paclobutrazol	97.5	0.04	ppm	70-130	01/04/22 12:55	01/04/22 18:10	
Phosmet	99.2	0.04	ppm	70-130	01/04/22 12:55	01/04/22 18:10	
Permethrins	77.0	0.04	ppm	70-130	01/04/22 12:55	01/05/22 10:33	
Piperonyl butoxide	161	0.1	ppm	57-134	01/04/22 12:55	01/04/22 18:10	BSH
Prallethrin	102	0.04	ppm	70-130	01/04/22 12:55	01/04/22 18:10	
Propiconazole	70.7	0.04	ppm	67-119	01/04/22 12:55	01/05/22 10:33	
Propoxur	97.7	0.04	ppm	70-130	01/04/22 12:55	01/04/22 18:10	
Pyrethrins	57.0	0.1	ppm	40-109	01/04/22 12:55	01/04/22 18:10	
Pyridaben	96.2	0.04	ppm	70-130	01/04/22 12:55	01/04/22 18:10	
Spinosad	109	0.04	ppm	50-130	01/04/22 12:55	01/04/22 18:10	
Spiromesifen	127	0.04	ppm	70-130	01/04/22 12:55	01/04/22 18:10	
Spirotetramat	110	0.04	ppm	70-130	01/04/22 12:55	01/04/22 18:10	
Spiroxamine	109	0.04	ppm	60-153	01/04/22 12:55	01/04/22 18:10	
Tebuconazole	90.8	0.04	ppm	70-130	01/04/22 12:55	01/04/22 18:10	
Thiacloprid	97.0	0.04	ppm	70-130	01/04/22 12:55	01/04/22 18:10	
Thiamethoxam	96.3	0.04	ppm	70-130	01/04/22 12:55	01/04/22 18:10	
Trifloxystrobin	94.0	0.04	ppm	70-130	01/04/22 12:55	01/04/22 18:10	

### Solvent Analysis

Batch: 2202016 - 205

Blank(2202016-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Acetone	< LOQ	1000	ppm		01/04/22 12:28	01/05/22 08:21	
Acetonitrile	< LOQ	50.00	ppm		01/04/22 12:28	01/05/22 08:21	
Benzene	< LOQ	1.000	ppm		01/04/22 12:28	01/05/22 08:21	



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### Quality Control Solvent Analysis (Continued)

Batch: 2202016 - 205 (Continued)

Blank(2202016-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Butanes	< LOQ	1000	ppm		01/04/22 12:28	01/05/22 08:21	
2-Butanol	< LOQ	1000	ppm		01/04/22 12:28	01/05/22 08:21	
Cumene	< LOQ	35.00	ppm		01/04/22 12:28	01/05/22 08:21	
Cyclohexane	< LOQ	50.00	ppm		01/04/22 12:28	01/05/22 08:21	
Dichloromethane	< LOQ	50.00	ppm		01/04/22 12:28	01/05/22 08:21	
1,4-Dioxane	< LOQ	50.00	ppm		01/04/22 12:28	01/05/22 08:21	
2-Ethoxyethanol	< LOQ	80.00	ppm		01/04/22 12:28	01/05/22 08:21	
Ethyl acetate	< LOQ	1000	ppm		01/04/22 12:28	01/05/22 08:21	
Ethyl benzene	< LOQ	35.00	ppm		01/04/22 12:28	01/05/22 08:21	
Ethylene glycol	< LOQ	310.0	ppm		01/04/22 12:28	01/05/22 08:21	
Ethylene oxide	< LOQ	25.00	ppm		01/04/22 12:28	01/05/22 08:21	
Ethyl ether	< LOQ	1000	ppm		01/04/22 12:28	01/05/22 08:21	
Heptane	< LOQ	1000	ppm		01/04/22 12:28	01/05/22 08:21	
Hexanes	< LOQ	50.00	ppm		01/04/22 12:28	01/05/22 08:21	
Isopropyl acetate	< LOQ	1000	ppm		01/04/22 12:28	01/05/22 08:21	
Methanol	< LOQ	1000	ppm		01/04/22 12:28	01/05/22 08:21	
Pentanes	< LOQ	1000	ppm		01/04/22 12:28	01/05/22 08:21	
Propane	< LOQ	1000	ppm		01/04/22 12:28	01/05/22 08:21	
2-Propanol (IPA)	< LOQ	1000	ppm		01/04/22 12:28	01/05/22 08:21	
Tetrahydrofuran	< LOQ	50.00	ppm		01/04/22 12:28	01/05/22 08:21	
Toluene	< LOQ	50.00	ppm		01/04/22 12:28	01/05/22 08:21	
Xylenes	< LOQ	50.00	ppm		01/04/22 12:28	01/05/22 08:21	

LCS(2202016-BS1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Acetone	94.9	1000	ppm	70-130	01/04/22 12:28	01/04/22 16:31	
Acetonitrile	96.9	50.00	ppm	70-130	01/04/22 12:28	01/04/22 16:31	
Benzene	95.3	1.000	ppm	66.6-119	01/04/22 12:28	01/04/22 16:31	
n-Butane	78.9	50.00	ppm	70-130	01/04/22 12:28	01/04/22 16:31	
Butanes	68.6	1000	ppm	55-130	01/04/22 12:28	01/04/22 16:31	
2-Butanol	91.5	1000	ppm	70-130	01/04/22 12:28	01/04/22 16:31	
Cumene	103	35.00	ppm	70-130	01/04/22 12:28	01/04/22 16:31	
Cyclohexane	95.2	50.00	ppm	70-130	01/04/22 12:28	01/04/22 16:31	
Dichloromethane	98.2	50.00	ppm	70-130	01/04/22 12:28	01/04/22 16:31	
1,4-Dioxane	99.6	50.00	ppm	70-130	01/04/22 12:28	01/04/22 16:31	
2-Ethoxyethanol	80.1	80.00	ppm	70-130	01/04/22 12:28	01/04/22 16:31	
Ethyl acetate	95.2	1000	ppm	70-130	01/04/22 12:28	01/04/22 16:31	
Ethyl benzene	105	35.00	ppm	70-130	01/04/22 12:28	01/04/22 16:31	
Ethylene glycol	89.5	310.0	ppm	60.3-146	01/04/22 12:28	01/04/22 16:31	



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### Quality Control Solvent Analysis (Continued)

Batch: 2202016 - 205 (Continued)

LCS(2202016-BS1)									
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes		
Ethylene oxide	150	25.00	ppm	70-130	01/04/22 12:28	01/04/22 16:31	BSH		
Ethyl ether	91.2	1000	ppm	70-130	01/04/22 12:28	01/04/22 16:31			
Heptane	93.8	1000	ppm	70-130	01/04/22 12:28	01/04/22 16:31			
n-Hexane	87.7	50.00	ppm	70-130	01/04/22 12:28	01/04/22 16:31			
Hexanes	85.3	50.00	ppm	70-130	01/04/22 12:28	01/04/22 16:31			
Isopropyl acetate	96.3	1000	ppm	70-130	01/04/22 12:28	01/04/22 16:31			
Methanol	66.0	1000	ppm	45-130	01/04/22 12:28	01/04/22 16:31			
2-Methylpentane	84.9	50.00	ppm	70-130	01/04/22 12:28	01/04/22 16:31			
3-Methylpentane	86.4	50.00	ppm	70-130	01/04/22 12:28	01/04/22 16:31			
neo-Pentane	113	50.00	ppm	70-130	01/04/22 12:28	01/04/22 16:31			
n-Pentane	72.4	50.00	ppm	70-130	01/04/22 12:28	01/04/22 16:31			
Pentanes	83.4	1000	ppm	70-130	01/04/22 12:28	01/04/22 16:31			
Propane	45.7	1000	ppm	42-130	01/04/22 12:28	01/04/22 16:31			
2-Propanol (IPA)	89.6	1000	ppm	70-130	01/04/22 12:28	01/04/22 16:31			
Tetrahydrofuran	96.1	50.00	ppm	70-130	01/04/22 12:28	01/04/22 16:31			
Toluene	103	50.00	ppm	70-130	01/04/22 12:28	01/04/22 16:31			



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### Quality Control Metals Analysis

**Batch: 2202061 - Metals**

Blank(2202061-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Cadmium	< LOQ	0.0500	ug/g		01/06/22 11:18	01/07/22 13:06	
Lead	< LOQ	0.0500	ug/g		01/06/22 11:18	01/07/22 13:06	
Arsenic	< LOQ	0.0500	ug/g		01/06/22 11:18	01/07/22 13:06	
Mercury	< LOQ	0.0100	ug/g		01/06/22 11:18	01/07/22 13:06	

LCS(2202061-BS1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Cadmium	77.6	0.0500	ug/g	70-130	01/06/22 11:18	01/07/22 13:08	
Lead	73.8	0.0500	ug/g	70-130	01/06/22 11:18	01/07/22 13:08	
Arsenic	86.1	0.0500	ug/g	70-130	01/06/22 11:18	01/07/22 13:08	
Mercury	72.9	0.0100	ug/g	70-130	01/06/22 11:18	01/07/22 13:08	



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### Notes and Definitions

Regulatory Compliance samples were collected onsite at facility according to ORELAP-SOP-001 and ORELAP-SOP-002 and following Sampling Plan FN117.  
Quality Control samples were tested as received.

- 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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