



# Green Leaf Lab®

12025 NE Marx St. Portland, OR 97220  
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License#: 10029074C70

## Quality Control Testing Official Report

### GAMA 1.1

Sample ID: G1J0113-01

Matrix: Hemp Extracts &

Test ID: 5024897

Source ID:

Date Sampled: 10/06/21

Date Accepted: 10/06/21

Harvest/Prod. Date: 10/05/2021

**KMS AG Consulting**

### Results at a Glance

Total THC : <LOQ (0.6307%) %

Total CBD : <LOQ (0.1725%) %

delta 8-THC : 91.19 % PASS

Pesticides : PASS

Residual Solvent Analysis : PASS

METALS : PASS



Eric Wendt  
Chief Science Officer - 10/12/2021

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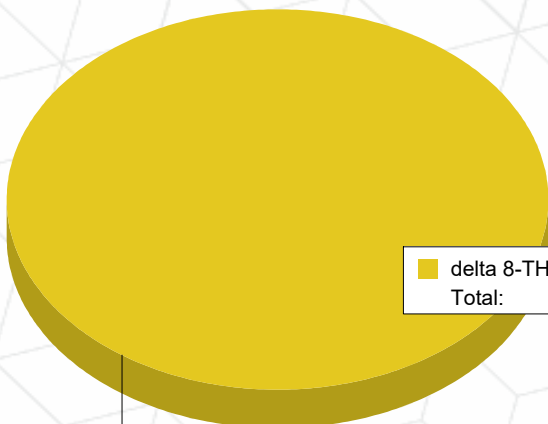
**KMS AG Consulting**

### Potency Analysis

Date/Time Extracted: 10/07/21 09:24

Analysis Method/SOP: 215

Batch Identification: 2141037

Cannabinoids	LOQ (%)	% by Wt.	mg/g	Cannabinoids Profile
Total THC	0.6307	< LOQ	< LOQ	 <p>91.2</p>
Total CBD	0.1725	< LOQ	< LOQ	
THCA	0.0020	< LOQ	< LOQ	
delta 9-THC	0.0020	< LOQ	< LOQ	
delta 8-THC	0.3736	91.19	911.9	
Exo-THC	0.0868	< LOQ	< LOQ	
THCV	0.4207	< LOQ	< LOQ	
THCVA	0.1567	< LOQ	< LOQ	
CBD	0.0020	< LOQ	< LOQ	
CBDA	0.0020	< LOQ	< LOQ	
CBDV	0.4160	< LOQ	< LOQ	
CBDVA	0.1364	< LOQ	< LOQ	
CBN	0.2489	< LOQ	< LOQ	
CBG	0.0655	< LOQ	< LOQ	
CBGA	0.0655	< LOQ	< LOQ	
CBC	0.0746	< LOQ	< LOQ	
<b>Total Cannabinoids</b>		91.19	911.9	

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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**KMS AG Consulting**

### Pesticide Analysis in ppm

Date/Time Extracted: 10/07/21 08:54

Analysis Method/SOP: 202

Analyte	Result	Action Level	LOD	LOQ	Units	Notes	Analyte	Result	Action Level	LOD	LOQ	Units	Notes
Abamectin	< LOQ	0.5		0.1	ppm		Acephate	< LOQ	0.4		0.1	ppm	
Acequinocyl	< LOQ	2		0.5	ppm		Acetamiprid	< LOQ	0.2		0.1	ppm	
Aldicarb	< LOQ	0.4		0.1	ppm		Azoxystrobin	< LOQ	0.2		0.1	ppm	
Bifenazate	< LOQ	0.2		0.1	ppm		Bifenthrin	< LOQ	0.2		0.1	ppm	
Boscalid	< LOQ	0.4		0.1	ppm		Carbaryl	< LOQ	0.2		0.1	ppm	
Carbofuran	< LOQ	0.2		0.1	ppm		Chlorantraniliprole	< LOQ	0.2		0.1	ppm	
Chlorfenapyr	< LOQ	1		0.1	ppm		Chlorpyrifos	< LOQ	0.2		0.1	ppm	
Clofentezine	< LOQ	0.2		0.1	ppm		Cyfluthrin	< LOQ	1		0.5	ppm	
Cypermethrin	< LOQ	1		0.5	ppm		Daminozide	< LOQ	1		0.5	ppm	
DDVP (Dichlorvos)	< LOQ	1		0.1	ppm		Diazinon	< LOQ	0.2		0.1	ppm	
Dimethoate	< LOQ	0.2		0.1	ppm		Ethoprophos	< LOQ	0.2		0.1	ppm	
Etofenprox	< LOQ	0.4		0.1	ppm		Etoxazole	< LOQ	0.2		0.1	ppm	
Fenoxycarb	< LOQ	0.2		0.1	ppm		Fenpyroximate	< LOQ	0.4		0.1	ppm	
Fipronil	< LOQ	0.4		0.1	ppm		Flonicamid	< LOQ	1		0.1	ppm	
Fludioxonil	< LOQ	0.4		0.1	ppm		Hexythiazox	< LOQ	1		0.1	ppm	
Imazalil	< LOQ	0.2		0.1	ppm		Imidacloprid	< LOQ	0.4		0.1	ppm	
Kresoxim-methyl	< LOQ	0.4		0.1	ppm		Malathion	< LOQ	0.2		0.1	ppm	
Metalaxyl	< LOQ	0.2		0.1	ppm		Methiocarb	< LOQ	0.2		0.1	ppm	
Methomyl	< LOQ	0.4		0.1	ppm		Methyl parathion	< LOQ	0.2		0.1	ppm	
MGK-264	< LOQ	0.2		0.1	ppm		Myclobutanil	< LOQ	0.2		0.1	ppm	
Naled	< LOQ	0.5		0.1	ppm		Oxamyl	< LOQ	1		0.1	ppm	
Paclobutrazol	< LOQ	0.4		0.1	ppm		Permethrins	< LOQ	0.2		0.1	ppm	
Phosmet	< LOQ	0.2		0.1	ppm		Piperonyl butoxide	< LOQ	2		0.9	ppm	
Prallethrin	< LOQ	0.2		0.1	ppm		Propiconazole	< LOQ	0.4		0.1	ppm	
Propoxur	< LOQ	0.2		0.1	ppm		Pyrethrins	< LOQ	1		0.5	ppm	
Pyridaben	< LOQ	0.2		0.1	ppm		Spinosad	< LOQ	0.2		0.1	ppm	
Spiromesifen	< LOQ	0.2		0.1	ppm		Spirotetramat	< LOQ	0.2		0.1	ppm	
Spiroxamine	< LOQ	0.4		0.1	ppm		Tebuconazole	< LOQ	0.4		0.1	ppm	
Thiacloprid	< LOQ	0.2		0.1	ppm		Thiamethoxam	< LOQ	0.2		0.1	ppm	
Trifloxystrobin	< LOQ	0.2		0.1	ppm								

ND - Compound not detected

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



Eric Wendt  
Chief Science Officer - 10/12/2021

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**KMS AG Consulting**

### Residual Solvents

Date/Time Extracted: 10/07/21 11:50

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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**KMS AG Consulting**

### Metals Analysis by ICPMS

Date/Time Extracted: 10/08/21 12:28

Analysis Method/SOP: HM-001

Analyte	Result	LOD	LOQ	Units
Arsenic	< LOQ	0.0110	0.0500	ug/g
Cadmium	< LOQ	0.00100	0.0500	ug/g
Lead	< LOQ	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: 2141037 - 215-Concentrates**

Blank(2141037-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	< LOQ	0.0005	%		10/07/21 09:24	10/07/21 20:53	
delta 9-THC	< LOQ	0.0005	%		10/07/21 09:24	10/07/21 20:53	
delta 8-THC	< LOQ	0.0934	%		10/07/21 09:24	10/07/21 20:53	
Exo-THC	< LOQ	0.0217	%		10/07/21 09:24	10/07/21 20:53	
THCV	< LOQ	0.1052	%		10/07/21 09:24	10/07/21 20:53	
THCVA	< LOQ	0.0392	%		10/07/21 09:24	10/07/21 20:53	
CBD	< LOQ	0.0005	%		10/07/21 09:24	10/07/21 20:53	
CBDA	< LOQ	0.0005	%		10/07/21 09:24	10/07/21 20:53	
CBDV	< LOQ	0.1040	%		10/07/21 09:24	10/07/21 20:53	
CBDVA	< LOQ	0.0341	%		10/07/21 09:24	10/07/21 20:53	
CBN	< LOQ	0.0622	%		10/07/21 09:24	10/07/21 20:53	
CBG	< LOQ	0.0164	%		10/07/21 09:24	10/07/21 20:53	
CBGA	< LOQ	0.0164	%		10/07/21 09:24	10/07/21 20:53	
CBC	< LOQ	0.0186	%		10/07/21 09:24	10/07/21 20:53	

Reference(2141037-SRM1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	98.4	0.0003	%	70-130	10/07/21 09:24	10/07/21 21:16	
delta 9-THC	100	0.0003	%	70-130	10/07/21 09:24	10/07/21 21:16	
CBD	101	0.0003	%	70-130	10/07/21 09:24	10/07/21 21:16	
CBDA	96.3	0.0003	%	70-130	10/07/21 09:24	10/07/21 21:16	

### Pesticide Analysis

**Batch: 2141035 - 202**

Blank(2141035-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Abamectin	< LOQ	0.1	ppm		10/07/21 08:54	10/07/21 21:56	
Acephate	< LOQ	0.1	ppm		10/07/21 08:54	10/07/21 21:56	
Acequinocyl	< LOQ	0.5	ppm		10/07/21 08:54	10/07/21 21:56	
Acetamiprid	< LOQ	0.1	ppm		10/07/21 08:54	10/07/21 21:56	
Aldicarb	< LOQ	0.1	ppm		10/07/21 08:54	10/07/21 21:56	
Azoxystrobin	< LOQ	0.1	ppm		10/07/21 08:54	10/07/21 21:56	
Bifenazate	< LOQ	0.1	ppm		10/07/21 08:54	10/07/21 21:56	
Bifenthrin	< LOQ	0.1	ppm		10/07/21 08:54	10/07/21 21:56	
Boscalid	< LOQ	0.1	ppm		10/07/21 08:54	10/08/21 22:16	
Carbaryl	< LOQ	0.1	ppm		10/07/21 08:54	10/07/21 21:56	
Carbofuran	< LOQ	0.1	ppm		10/07/21 08:54	10/07/21 21:56	
Chlorantraniliprole	< LOQ	0.1	ppm		10/07/21 08:54	10/07/21 21:56	
Chlorfenapyr	< LOQ	0.1	ppm		10/07/21 08:54	10/08/21 22:16	



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## Quality Control Testing Official Report

### Quality Control Pesticide Analysis (Continued)

Batch: 2141035 - 202 (Continued)

Blank(2141035-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Chlorpyrifos	< LOQ	0.1	ppm		10/07/21 08:54	10/07/21 21:56	
Clofentezine	< LOQ	0.1	ppm		10/07/21 08:54	10/07/21 21:56	
Daminozide	< LOQ	0.5	ppm		10/07/21 08:54	10/07/21 21:56	
Cyfluthrin	< LOQ	0.5	ppm		10/07/21 08:54	10/08/21 22:16	
Diazinon	< LOQ	0.1	ppm		10/07/21 08:54	10/07/21 21:56	
Cypermethrin	< LOQ	0.5	ppm		10/07/21 08:54	10/08/21 22:16	
Dimethoate	< LOQ	0.1	ppm		10/07/21 08:54	10/07/21 21:56	
Ethoprophos	< LOQ	0.1	ppm		10/07/21 08:54	10/07/21 21:56	
Etofenprox	< LOQ	0.1	ppm		10/07/21 08:54	10/07/21 21:56	
Etoxazole	< LOQ	0.1	ppm		10/07/21 08:54	10/07/21 21:56	
Fenoxycarb	< LOQ	0.1	ppm		10/07/21 08:54	10/07/21 21:56	
Fenpyroximate	< LOQ	0.1	ppm		10/07/21 08:54	10/07/21 21:56	
Flonicamid	< LOQ	0.1	ppm		10/07/21 08:54	10/07/21 21:56	
Hexythiazox	< LOQ	0.1	ppm		10/07/21 08:54	10/07/21 21:56	
Imazalil	< LOQ	0.1	ppm		10/07/21 08:54	10/07/21 21:56	
Fipronil	< LOQ	0.1	ppm		10/07/21 08:54	10/08/21 22:16	
Imidacloprid	< LOQ	0.1	ppm		10/07/21 08:54	10/07/21 21:56	
Fludioxonil	< LOQ	0.1	ppm		10/07/21 08:54	10/08/21 22:16	
Metalaxyl	< LOQ	0.1	ppm		10/07/21 08:54	10/07/21 21:56	
Methiocarb	< LOQ	0.1	ppm		10/07/21 08:54	10/07/21 21:56	
Methomyl	< LOQ	0.1	ppm		10/07/21 08:54	10/07/21 21:56	
Myclobutanil	< LOQ	0.1	ppm		10/07/21 08:54	10/07/21 21:56	
Kresoxim-methyl	< LOQ	0.1	ppm		10/07/21 08:54	10/08/21 22:16	
Naled	< LOQ	0.1	ppm		10/07/21 08:54	10/07/21 21:56	
Malathion	< LOQ	0.1	ppm		10/07/21 08:54	10/08/21 22:16	
Oxamyl	< LOQ	0.1	ppm		10/07/21 08:54	10/07/21 21:56	
Paclobutrazol	< LOQ	0.1	ppm		10/07/21 08:54	10/07/21 21:56	
Permethrins	< LOQ	0.1	ppm		10/07/21 08:54	10/07/21 21:56	
Methyl parathion	< LOQ	0.1	ppm		10/07/21 08:54	10/08/21 22:16	
MGK-264	< LOQ	0.1	ppm		10/07/21 08:54	10/08/21 22:16	
Phosmet	< LOQ	0.1	ppm		10/07/21 08:54	10/07/21 21:56	
Piperonyl butoxide	< LOQ	0.9	ppm		10/07/21 08:54	10/07/21 21:56	
Prallethrin	< LOQ	0.1	ppm		10/07/21 08:54	10/07/21 21:56	
Propoxur	< LOQ	0.1	ppm		10/07/21 08:54	10/07/21 21:56	
Pyrethrins	< LOQ	0.5	ppm		10/07/21 08:54	10/07/21 21:56	
Pyridaben	< LOQ	0.1	ppm		10/07/21 08:54	10/07/21 21:56	
Propiconazole	< LOQ	0.1	ppm		10/07/21 08:54	10/08/21 22:16	
Spinosad	< LOQ	0.1	ppm		10/07/21 08:54	10/07/21 21:56	



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Chief Science Officer - 10/12/2021

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### Quality Control Pesticide Analysis (Continued)

**Batch: 2141035 - 202 (Continued)**

Blank(2141035-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Spiromesifen	< LOQ	0.1	ppm		10/07/21 08:54	10/07/21 21:56	
Spirotetramat	< LOQ	0.1	ppm		10/07/21 08:54	10/07/21 21:56	
Spiroxamine	< LOQ	0.1	ppm		10/07/21 08:54	10/07/21 21:56	
Tebuconazole	< LOQ	0.1	ppm		10/07/21 08:54	10/07/21 21:56	
Thiacloprid	< LOQ	0.1	ppm		10/07/21 08:54	10/07/21 21:56	
Thiamethoxam	< LOQ	0.1	ppm		10/07/21 08:54	10/07/21 21:56	
Trifloxystrobin	< LOQ	0.1	ppm		10/07/21 08:54	10/07/21 21:56	
DDVP (Dichlorvos)	< LOQ	0.1	ppm		10/07/21 08:54	10/07/21 21:56	

LCS(2141035-BS1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Abamectin	92.1	0.1	ppm	10-172	10/07/21 08:54	10/07/21 22:19	
Acephate	110	0.1	ppm	55.6-157	10/07/21 08:54	10/07/21 22:19	
Acequinocyl	16.3	0.5	ppm	10-100	10/07/21 08:54	10/07/21 22:19	
Acetamiprid	113	0.1	ppm	70-130	10/07/21 08:54	10/07/21 22:19	
Aldicarb	106	0.1	ppm	70-130	10/07/21 08:54	10/07/21 22:19	
Azoxystrobin	106	0.1	ppm	70-130	10/07/21 08:54	10/07/21 22:19	
Bifenazate	103	0.1	ppm	50-130	10/07/21 08:54	10/07/21 22:19	
Bifenthrin	72.7	0.1	ppm	49.9-140	10/07/21 08:54	10/07/21 22:19	
Boscalid	99.8	0.1	ppm	57-124	10/07/21 08:54	10/08/21 22:38	
Carbaryl	102	0.1	ppm	64.6-150	10/07/21 08:54	10/07/21 22:19	
Carbofuran	105	0.1	ppm	70-130	10/07/21 08:54	10/07/21 22:19	
Chlorantraniliprole	49.1	0.1	ppm	42.8-117	10/07/21 08:54	10/07/21 22:19	
Chlorfenapyr	128	0.1	ppm	65.1-149	10/07/21 08:54	10/08/21 22:38	
Chlorpyrifos	97.7	0.1	ppm	44.8-159	10/07/21 08:54	10/07/21 22:19	
Clofentezine	12.0	0.1	ppm	10-100	10/07/21 08:54	10/07/21 22:19	
Daminozide	77.1	0.5	ppm	10-214	10/07/21 08:54	10/07/21 22:19	
Cyfluthrin	81.6	0.5	ppm	61.5-142	10/07/21 08:54	10/08/21 22:38	
Diazinon	100	0.1	ppm	70-130	10/07/21 08:54	10/07/21 22:19	
Cypermethrin	122	0.5	ppm	54.3-166	10/07/21 08:54	10/08/21 22:38	
Dimethoate	108	0.1	ppm	63.7-144	10/07/21 08:54	10/07/21 22:19	
Ethoprophos	97.8	0.1	ppm	70-130	10/07/21 08:54	10/07/21 22:19	
Etofenprox	75.6	0.1	ppm	53.7-123	10/07/21 08:54	10/07/21 22:19	
Etoxazole	104	0.1	ppm	70-130	10/07/21 08:54	10/07/21 22:19	
Fenoxycarb	86.2	0.1	ppm	61.7-136	10/07/21 08:54	10/07/21 22:19	
Fenpyroximate	39.9	0.1	ppm	18.9-100	10/07/21 08:54	10/07/21 22:19	
Flonicamid	114	0.1	ppm	36.9-173	10/07/21 08:54	10/07/21 22:19	
Hexythiazox	91.2	0.1	ppm	40.9-182	10/07/21 08:54	10/07/21 22:19	
Imazalil	59.1	0.1	ppm	44.6-109	10/07/21 08:54	10/07/21 22:19	



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Chief Science Officer - 10/12/2021

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### Quality Control Pesticide Analysis (Continued)

Batch: 2141035 - 202 (Continued)

LCS(2141035-BS1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Fipronil	109	0.1	ppm	60.2-140	10/07/21 08:54	10/08/21 22:38	
Imidacloprid	130	0.1	ppm	52.5-163	10/07/21 08:54	10/07/21 22:19	
Fludioxonil	110	0.1	ppm	70-130	10/07/21 08:54	10/08/21 22:38	
Metalaxyl	105	0.1	ppm	70-130	10/07/21 08:54	10/07/21 22:19	
Methiocarb	98.2	0.1	ppm	75.6-137	10/07/21 08:54	10/07/21 22:19	
Methomyl	115	0.1	ppm	44.1-167	10/07/21 08:54	10/07/21 22:19	
Myclobutanil	84.5	0.1	ppm	72.5-142	10/07/21 08:54	10/07/21 22:19	
Kresoxim-methyl	111	0.1	ppm	70.3-140	10/07/21 08:54	10/08/21 22:38	
Naled	98.9	0.1	ppm	70-130	10/07/21 08:54	10/07/21 22:19	
Malathion	109	0.1	ppm	67.5-132	10/07/21 08:54	10/08/21 22:38	
Oxamyl	113	0.1	ppm	55-155	10/07/21 08:54	10/07/21 22:19	
Paclobutrazol	87.9	0.1	ppm	65-144	10/07/21 08:54	10/07/21 22:19	
Permethrins	83.9	0.1	ppm	10-180	10/07/21 08:54	10/07/21 22:19	
Methyl parathion	98.4	0.1	ppm	51.9-131	10/07/21 08:54	10/08/21 22:38	
MGK-264	120	0.1	ppm	70-136	10/07/21 08:54	10/08/21 22:38	
Phosmet	94.2	0.1	ppm	70-130	10/07/21 08:54	10/07/21 22:19	
Piperonyl butoxide	45.7	0.9	ppm	10-166	10/07/21 08:54	10/07/21 22:19	
Prallethrin	73.3	0.1	ppm	70-130	10/07/21 08:54	10/07/21 22:19	
Propoxur	103	0.1	ppm	70.3-147	10/07/21 08:54	10/07/21 22:19	
Pyrethrins	36.5	0.5	ppm	10-198	10/07/21 08:54	10/07/21 22:19	
Pyridaben	85.2	0.1	ppm	60.3-128	10/07/21 08:54	10/07/21 22:19	
Propiconazole	112	0.1	ppm	68.7-135	10/07/21 08:54	10/08/21 22:38	
Spinosad	77.7	0.1	ppm	70-130	10/07/21 08:54	10/07/21 22:19	
Spiromesifen	103	0.1	ppm	40.8-187	10/07/21 08:54	10/07/21 22:19	
Spirotetramat	93.3	0.1	ppm	70-130	10/07/21 08:54	10/07/21 22:19	
Spiroxamine	110	0.1	ppm	70-130	10/07/21 08:54	10/07/21 22:19	
Tebuconazole	88.6	0.1	ppm	50.8-133	10/07/21 08:54	10/07/21 22:19	
Thiacloprid	107	0.1	ppm	70-130	10/07/21 08:54	10/07/21 22:19	
Thiamethoxam	113	0.1	ppm	70-130	10/07/21 08:54	10/07/21 22:19	
Trifloxystrobin	98.6	0.1	ppm	70-130	10/07/21 08:54	10/07/21 22:19	
DDVP (Dichlorvos)	98.8	0.1	ppm	39.1-185	10/07/21 08:54	10/07/21 22:19	

### Solvent Analysis

Batch: 2141041 - 205

Blank(2141041-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Acetone	< LOQ	1000	ppm		10/07/21 11:50	10/07/21 22:58	
Acetonitrile	< LOQ	50.00	ppm		10/07/21 11:50	10/07/21 22:58	



Eric Wendt  
Chief Science Officer - 10/12/2021

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### Quality Control Solvent Analysis (Continued)

Batch: 2141041 - 205 (Continued)

Blank(2141041-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Benzene	< LOQ	1.000	ppm		10/07/21 11:50	10/07/21 22:58	
Butanes	< LOQ	1000	ppm		10/07/21 11:50	10/07/21 22:58	
2-Butanol	< LOQ	1000	ppm		10/07/21 11:50	10/07/21 22:58	
Cumene	< LOQ	35.00	ppm		10/07/21 11:50	10/07/21 22:58	
Cyclohexane	< LOQ	50.00	ppm		10/07/21 11:50	10/07/21 22:58	
Dichloromethane	< LOQ	50.00	ppm		10/07/21 11:50	10/07/21 22:58	
1,4-Dioxane	< LOQ	50.00	ppm		10/07/21 11:50	10/07/21 22:58	
2-Ethoxyethanol	< LOQ	80.00	ppm		10/07/21 11:50	10/07/21 22:58	
Ethyl acetate	< LOQ	1000	ppm		10/07/21 11:50	10/07/21 22:58	
Ethyl benzene	< LOQ	35.00	ppm		10/07/21 11:50	10/07/21 22:58	
Ethylene glycol	< LOQ	310.0	ppm		10/07/21 11:50	10/07/21 22:58	
Ethylene oxide	< LOQ	25.00	ppm		10/07/21 11:50	10/07/21 22:58	
Ethyl ether	< LOQ	1000	ppm		10/07/21 11:50	10/07/21 22:58	
Heptane	< LOQ	1000	ppm		10/07/21 11:50	10/07/21 22:58	
Hexanes	< LOQ	50.00	ppm		10/07/21 11:50	10/07/21 22:58	
Isopropyl acetate	< LOQ	1000	ppm		10/07/21 11:50	10/07/21 22:58	
Methanol	< LOQ	1000	ppm		10/07/21 11:50	10/07/21 22:58	
Pentanes	< LOQ	1000	ppm		10/07/21 11:50	10/07/21 22:58	
Propane	< LOQ	1000	ppm		10/07/21 11:50	10/07/21 22:58	
2-Propanol (IPA)	< LOQ	1000	ppm		10/07/21 11:50	10/07/21 22:58	
Tetrahydrofuran	< LOQ	50.00	ppm		10/07/21 11:50	10/07/21 22:58	
Toluene	< LOQ	50.00	ppm		10/07/21 11:50	10/07/21 22:58	
Xylenes	< LOQ	50.00	ppm		10/07/21 11:50	10/07/21 22:58	

LCS(2141041-BS1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Acetone	102	1000	ppm	70-130	10/07/21 11:50	10/07/21 19:51	
Acetonitrile	103	50.00	ppm	70-130	10/07/21 11:50	10/07/21 19:51	
Benzene	99.9	1.000	ppm	66.6-119	10/07/21 11:50	10/07/21 19:51	
n-Butane	110	50.00	ppm	70-130	10/07/21 11:50	10/07/21 19:51	
Butanes	110	1000	ppm	55-130	10/07/21 11:50	10/07/21 19:51	
2-Butanol	98.7	1000	ppm	70-130	10/07/21 11:50	10/07/21 19:51	
Cumene	97.9	35.00	ppm	70-130	10/07/21 11:50	10/07/21 19:51	
Cyclohexane	104	50.00	ppm	70-130	10/07/21 11:50	10/07/21 19:51	
Dichloromethane	102	50.00	ppm	70-130	10/07/21 11:50	10/07/21 19:51	
1,4-Dioxane	104	50.00	ppm	70-130	10/07/21 11:50	10/07/21 19:51	
2-Ethoxyethanol	92.9	80.00	ppm	70-130	10/07/21 11:50	10/07/21 19:51	
Ethyl acetate	103	1000	ppm	70-130	10/07/21 11:50	10/07/21 19:51	
Ethyl benzene	97.7	35.00	ppm	70-130	10/07/21 11:50	10/07/21 19:51	



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## Quality Control Testing Official Report

### Quality Control Solvent Analysis (Continued)

Batch: 2141041 - 205 (Continued)

LCS(2141041-BS1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Ethylene glycol	99.1	310.0	ppm	60.3-146	10/07/21 11:50	10/07/21 19:51	
Ethylene oxide	102	25.00	ppm	70-130	10/07/21 11:50	10/07/21 19:51	
Ethyl ether	102	1000	ppm	70-130	10/07/21 11:50	10/07/21 19:51	
Heptane	102	1000	ppm	70-130	10/07/21 11:50	10/07/21 19:51	
n-Hexane	104	50.00	ppm	70-130	10/07/21 11:50	10/07/21 19:51	
Hexanes	106	50.00	ppm	70-130	10/07/21 11:50	10/07/21 19:51	
iso-Butane	110	50.00	ppm	70-130	10/07/21 11:50	10/07/21 19:51	
Isopropyl acetate	103	1000	ppm	70-130	10/07/21 11:50	10/07/21 19:51	
iso-Pentane	106	50.00	ppm	70-130	10/07/21 11:50	10/07/21 19:51	
Methanol	106	1000	ppm	45-130	10/07/21 11:50	10/07/21 19:51	
2-Methylpentane	106	50.00	ppm	70-130	10/07/21 11:50	10/07/21 19:51	
3-Methylpentane	104	50.00	ppm	70-130	10/07/21 11:50	10/07/21 19:51	
neo-Pentane	110	50.00	ppm	70-130	10/07/21 11:50	10/07/21 19:51	
n-Pentane	109	50.00	ppm	70-130	10/07/21 11:50	10/07/21 19:51	
Pentanes	109	1000	ppm	70-130	10/07/21 11:50	10/07/21 19:51	
Propane	115	1000	ppm	42-130	10/07/21 11:50	10/07/21 19:51	
2-Propanol (IPA)	98.2	1000	ppm	70-130	10/07/21 11:50	10/07/21 19:51	
Tetrahydrofuran	101	50.00	ppm	70-130	10/07/21 11:50	10/07/21 19:51	
Toluene	102	50.00	ppm	70-130	10/07/21 11:50	10/07/21 19:51	



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### Quality Control Metals Analysis

#### Batch: 2141091 - Metals

##### Blank(2141091-BLK1)

Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Cadmium	< LOQ	0.0500	ug/g		10/08/21 12:28	10/09/21 16:12	
Lead	< LOQ	0.0500	ug/g		10/08/21 12:28	10/09/21 16:12	
Arsenic	< LOQ	0.0500	ug/g		10/08/21 12:28	10/09/21 16:12	
Mercury	< LOQ	0.0100	ug/g		10/08/21 12:28	10/09/21 16:12	

##### LCS(2141091-BS1)

Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Cadmium	86.6	0.0500	ug/g	70-130	10/08/21 12:28	10/09/21 16:14	
Lead	87.7	0.0500	ug/g	70-130	10/08/21 12:28	10/09/21 16:14	
Arsenic	93.3	0.0500	ug/g	70-130	10/08/21 12:28	10/09/21 16:14	
Mercury	95.5	0.0100	ug/g	70-130	10/08/21 12:28	10/09/21 16:14	



### 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	CBD matrix interference on GC Pest chromatography
CV1	CCV was above acceptance criteria, Non-detect samples are considered acceptable.
CV2	CCV was below acceptance criteria, sample still exceeds regulatory limit.
INF	One or more QC falls outside acceptance criteria. Data entered into LIMS for informational purposes only.
ISH	Internal Standard concentration is above acceptance criteria.
ISL	Internal Standard concentration is below acceptance criteria.
MSH	Matrix Spike High - Matrix Spike recovery above method limits.
MSI	Matrix Spike Interference - Matrix spike source sample contains analyte hit above calibration affecting recovery accuracy in Matrix Spike.
TPP	Matrix Spike Low - Matrix Spike recovery below lower method limit, analyte chromatography reviewed manually for all samples.
U	Internal Standard concentration outside control limit due to matrix interference