



### D8/CBC Hemp Extract V5

Sample ID: G1C0180-01

Matrix: Hemp Extracts &

Test ID: 5014115

Source ID:

Date Sampled: 03/08/21

Date Accepted: 03/08/21

**Arete Hemp LLC**

#### Results at a Glance

Total THC : <LOQ (0.6307%) %

Total CBD : <LOQ (0.0431%) %

delta 8-THC : 64.56 % PASS

CBC : 7.415 % PASS

Pesticides : PASS

Residual Solvent Analysis : PASS

METALS : PASS



*Russell Kuhfeld*

Russell Kuhfeld  
Quality Officer - 3/27/2021

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**Arete Hemp LLC**

### Potency Analysis

Date/Time Extracted: 03/09/21 13:02

Analysis Method/SOP: 215

Batch Identification: 2111020

Cannabinoids	LOQ (%)	% by Wt.	mg/g	Cannabinoids Profile
Total THC	0.6307	< LOQ	< LOQ	<p>2.3</p> <p>7.4</p> <p>64.6</p> <p>delta 8-THC 64.6 CBN 2.3 CBC 7.4 Total: 74.2</p>
Total CBD	0.0431	< LOQ	< LOQ	
THCA	0.2428	< LOQ	< LOQ	
delta 9-THC	0.6307	< LOQ	< LOQ	
delta 8-THC	0.3736	64.56	645.6	
Exo-THC	0.0217	< LOQ	< LOQ	
THCV	0.1052	< LOQ	< LOQ	
THCVA	0.0392	< LOQ	< LOQ	
CBD	0.0324	< LOQ	< LOQ	
CBDA	0.0431	< LOQ	< LOQ	
CBDV	0.1040	< LOQ	< LOQ	
CBDVA	0.0341	< LOQ	< LOQ	
CBN	0.0622	2.278	22.78	
CBG	0.0164	< LOQ	< LOQ	
CBGA	0.0164	< LOQ	< LOQ	
CBC	0.0186	7.415	74.15	

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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Test ID: 5014115

Source ID:

Date Sampled: 03/08/21

Date Accepted: 03/08/21

**Arete Hemp LLC**

### Pesticide Analysis in ppm

Date/Time Extracted: 03/22/21 09:47

Analysis Method/SOP: 202

Analyte	Result	Action Level	LOD	LOQ	Units	Analyte	Result	Action Level	LOD	LOQ	Units
Abamectin	< LOQ	0.5		0.4	ppm	Acephate	< LOQ	0.4		0.06	ppm
Acequinocyl	< LOQ	2		0.4	ppm	Acetamiprid	< LOQ	0.2		0.06	ppm
Aldicarb	< LOQ	0.4		0.06	ppm	Azoxystrobin	< LOQ	0.2		0.06	ppm
Bifenazate	< LOQ	0.2		0.06	ppm	Bifenthrin	< LOQ	0.2		0.06	ppm
Boscalid	< LOQ	0.4		0.06	ppm	Carbaryl	< LOQ	0.2		0.06	ppm
Carbofuran	< LOQ	0.2		0.06	ppm	Chlorantraniliprole	< LOQ	0.2		0.06	ppm
Chlorfenapyr	< LOQ	1		0.4	ppm	Chlorpyrifos	< LOQ	0.2		0.06	ppm
Clofentezine	< LOQ	0.2		0.06	ppm	Cyfluthrin	< LOQ	1		0.06	ppm
Cypermethrin	< LOQ	1		0.4	ppm	Daminozide	< LOQ	1		0.06	ppm
DDVP (Dichlorvos)	< LOQ	1		0.06	ppm	Diazinon	< LOQ	0.2		0.06	ppm
Dimethoate	< LOQ	0.2		0.06	ppm	Ethoprophos	< LOQ	0.2		0.06	ppm
Etofenprox	< LOQ	0.4		0.06	ppm	Etoazoxole	< LOQ	0.2		0.06	ppm
Fenoxycarb	< LOQ	0.2		0.06	ppm	Fenpyroximate	< LOQ	0.4		0.06	ppm
Fipronil	< LOQ	0.4		0.1	ppm	Flonicamid	< LOQ	1		0.06	ppm
Fludioxonil	< LOQ	0.4		0.06	ppm	Fludioxonil	< LOQ	0.4		0.06	ppm
Hexythiazox	< LOQ	1		0.1	ppm	Imazalil	< LOQ	0.2		0.06	ppm
Imidacloprid	< LOQ	0.4		0.06	ppm	Kresoxim-methyl	< LOQ	0.4		0.1	ppm
Malathion	< LOQ	0.2		0.06	ppm	Metalaxyl	< LOQ	0.2		0.06	ppm
Methiocarb	< LOQ	0.2		0.06	ppm	Methomyl	< LOQ	0.4		0.06	ppm
Methyl parathion	< LOQ	0.2		0.06	ppm	MGK-264	< LOQ	0.2		0.06	ppm
Myclobutanil	< LOQ	0.2		0.06	ppm	Naled	< LOQ	0.5		0.06	ppm
Oxamyl	< LOQ	1		0.06	ppm	Paclobutrazol	< LOQ	0.4		0.06	ppm
Permethrins	< LOQ	0.2		0.06	ppm	Phosmet	< LOQ	0.2		0.06	ppm
Piperonyl butoxide	< LOQ	2		0.9	ppm	Prallethrin	< LOQ	0.2		0.06	ppm
Propiconazole	< LOQ	0.4		0.06	ppm	Propoxur	< LOQ	0.2		0.06	ppm
Pyrethrins	< LOQ	1		0.06	ppm	Pyridaben	< LOQ	0.2		0.06	ppm
Spinosad	< LOQ	0.2		0.06	ppm	Spiromesifen	< LOQ	0.2		0.06	ppm
Spirotetramat	< LOQ	0.2		0.06	ppm	Spiroxamine	< LOQ	0.4		0.06	ppm
Tebuconazole	< LOQ	0.4		0.06	ppm	Thiacloprid	< LOQ	0.2		0.06	ppm
Thiamethoxam	< LOQ	0.2		0.06	ppm	Trifloxystrobin	< LOQ	0.2		0.06	ppm

ND - Compound not detected

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



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Matrix: Hemp Extracts &

Test ID: 5014115

Source ID:

Date Sampled: 03/08/21

Date Accepted: 03/08/21

**Arete Hemp LLC**

### Residual Solvents

Date/Time Extracted: 03/22/21 09:39

Analysis Method/SOP: 205

Analyte	Result	Action Level	LOD	LOQ	Units
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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Test ID: 5014115

Source ID:

Date Sampled: 03/08/21

Date Accepted: 03/08/21

**Arete Hemp LLC**

### Metals Analysis by ICPMS

Date/Time Extracted: 03/25/21 11:16

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: 2111020 - 215-Concentrates**

Blank(2111020-BLK1)						
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed
THCA	< LOQ	0.0607	%		03/09/21 13:02	03/09/21 19:12
delta 9-THC	< LOQ	0.1577	%		03/09/21 13:02	03/09/21 19:12
delta 8-THC	< LOQ	0.0934	%		03/09/21 13:02	03/09/21 19:12
Exo-THC	< LOQ	0.0217	%		03/09/21 13:02	03/09/21 19:12
THCV	< LOQ	0.1052	%		03/09/21 13:02	03/09/21 19:12
THCVA	< LOQ	0.0392	%		03/09/21 13:02	03/09/21 19:12
CBD	< LOQ	0.0324	%		03/09/21 13:02	03/09/21 19:12
CBDA	< LOQ	0.0431	%		03/09/21 13:02	03/09/21 19:12
CBDV	< LOQ	0.1040	%		03/09/21 13:02	03/09/21 19:12
CBDVA	< LOQ	0.0341	%		03/09/21 13:02	03/09/21 19:12
CBN	< LOQ	0.0622	%		03/09/21 13:02	03/09/21 19:12
CBG	< LOQ	0.0164	%		03/09/21 13:02	03/09/21 19:12
CBGA	< LOQ	0.0164	%		03/09/21 13:02	03/09/21 19:12
CBC	< LOQ	0.0186	%		03/09/21 13:02	03/09/21 19:12

Reference(2111020-SRM1)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
THCA	98.3	0.0320	%	80-120	03/09/21 13:02	03/09/21 19:35
delta 9-THC	98.0	0.0832	%	80-120	03/09/21 13:02	03/09/21 19:35
CBD	100	0.0171	%	80-120	03/09/21 13:02	03/09/21 19:35
CBDA	98.5	0.0228	%	80-120	03/09/21 13:02	03/09/21 19:35

### Pesticide Analysis

**Batch: 2113006 - 202**

Blank(2113006-BLK1)						
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Abamectin	< LOQ	0.4	ppm		03/22/21 09:47	03/24/21 13:11
Acephate	< LOQ	0.06	ppm		03/22/21 09:47	03/24/21 13:11
Acequinocyl	< LOQ	0.4	ppm		03/22/21 09:47	03/24/21 13:11
Acetamiprid	< LOQ	0.06	ppm		03/22/21 09:47	03/24/21 13:11
Aldicarb	< LOQ	0.06	ppm		03/22/21 09:47	03/24/21 13:11
Azoxystrobin	< LOQ	0.06	ppm		03/22/21 09:47	03/24/21 13:11
Bifenazate	< LOQ	0.06	ppm		03/22/21 09:47	03/24/21 13:11
Bifenthrin	< LOQ	0.06	ppm		03/22/21 09:47	03/24/21 13:11
Boscalid	< LOQ	0.06	ppm		03/22/21 09:47	03/23/21 13:22
Carbaryl	< LOQ	0.06	ppm		03/22/21 09:47	03/24/21 13:11
Carbofuran	< LOQ	0.06	ppm		03/22/21 09:47	03/24/21 13:11
Chlorantraniliprole	< LOQ	0.06	ppm		03/22/21 09:47	03/24/21 13:11
Chlorfenapyr	< LOQ	0.4	ppm		03/22/21 09:47	03/23/21 13:22



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### Quality Control Pesticide Analysis (Continued)

Batch: 2113006 - 202 (Continued)

Blank(2113006-BLK1)						
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Chlorpyrifos	< LOQ	0.06	ppm		03/22/21 09:47	03/24/21 13:11
Clofentezine	< LOQ	0.06	ppm		03/22/21 09:47	03/24/21 13:11
Daminozide	< LOQ	0.06	ppm		03/22/21 09:47	03/24/21 13:11
Cyfluthrin	< LOQ	0.06	ppm		03/22/21 09:47	03/23/21 13:22
Diazinon	< LOQ	0.06	ppm		03/22/21 09:47	03/24/21 13:11
Cypermethrin	< LOQ	0.4	ppm		03/22/21 09:47	03/23/21 13:22
Dimethoate	< LOQ	0.06	ppm		03/22/21 09:47	03/24/21 13:11
Ethoprophos	< LOQ	0.06	ppm		03/22/21 09:47	03/24/21 13:11
Etofenprox	< LOQ	0.06	ppm		03/22/21 09:47	03/24/21 13:11
Etoxazole	< LOQ	0.06	ppm		03/22/21 09:47	03/24/21 13:11
Fenoxycarb	< LOQ	0.06	ppm		03/22/21 09:47	03/24/21 13:11
Fenpyroximate	< LOQ	0.06	ppm		03/22/21 09:47	03/24/21 13:11
Flonicamid	< LOQ	0.06	ppm		03/22/21 09:47	03/24/21 13:11
Fludioxonil	< LOQ	0.06	ppm		03/22/21 09:47	03/24/21 13:11
Hexythiazox	< LOQ	0.1	ppm		03/22/21 09:47	03/24/21 13:11
Imazalil	< LOQ	0.06	ppm		03/22/21 09:47	03/24/21 13:11
Fipronil	< LOQ	0.1	ppm		03/22/21 09:47	03/23/21 13:22
Imidacloprid	< LOQ	0.06	ppm		03/22/21 09:47	03/24/21 13:11
Fludioxonil	< LOQ	0.06	ppm		03/22/21 09:47	03/23/21 13:22
Metalaxyl	< LOQ	0.06	ppm		03/22/21 09:47	03/24/21 13:11
Methiocarb	< LOQ	0.06	ppm		03/22/21 09:47	03/24/21 13:11
Methomyl	< LOQ	0.06	ppm		03/22/21 09:47	03/24/21 13:11
Myclobutanil	< LOQ	0.06	ppm		03/22/21 09:47	03/24/21 13:11
Kresoxim-methyl	< LOQ	0.1	ppm		03/22/21 09:47	03/23/21 13:22
Naled	< LOQ	0.06	ppm		03/22/21 09:47	03/24/21 13:11
Malathion	< LOQ	0.06	ppm		03/22/21 09:47	03/23/21 13:22
Oxamyl	< LOQ	0.06	ppm		03/22/21 09:47	03/24/21 13:11
Paclobutrazol	< LOQ	0.06	ppm		03/22/21 09:47	03/24/21 13:11
Methyl parathion	< LOQ	0.06	ppm		03/22/21 09:47	03/23/21 13:22
MGK-264	< LOQ	0.06	ppm		03/22/21 09:47	03/23/21 13:22
Phosmet	< LOQ	0.06	ppm		03/22/21 09:47	03/24/21 13:11
Piperonyl butoxide	< LOQ	0.9	ppm		03/22/21 09:47	03/24/21 13:11
Prallethrin	< LOQ	0.06	ppm		03/22/21 09:47	03/24/21 13:11
Propoxur	< LOQ	0.06	ppm		03/22/21 09:47	03/24/21 13:11
Permethrins	< LOQ	0.06	ppm		03/22/21 09:47	03/23/21 13:22
Pyrethrins	< LOQ	0.06	ppm		03/22/21 09:47	03/24/21 13:11
Pyridaben	< LOQ	0.06	ppm		03/22/21 09:47	03/24/21 13:11
Propiconazole	< LOQ	0.06	ppm		03/22/21 09:47	03/23/21 13:22



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### Quality Control Pesticide Analysis (Continued)

Batch: 2113006 - 202 (Continued)

Blank(2113006-BLK1)						
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Spinosad	< LOQ	0.06	ppm		03/22/21 09:47	03/24/21 13:11
Spiromesifen	< LOQ	0.06	ppm		03/22/21 09:47	03/24/21 13:11
Spirotetramat	< LOQ	0.06	ppm		03/22/21 09:47	03/24/21 13:11
Spiroxamine	< LOQ	0.06	ppm		03/22/21 09:47	03/24/21 13:11
Tebuconazole	< LOQ	0.06	ppm		03/22/21 09:47	03/24/21 13:11
Thiacloprid	< LOQ	0.06	ppm		03/22/21 09:47	03/24/21 13:11
Thiamethoxam	< LOQ	0.06	ppm		03/22/21 09:47	03/24/21 13:11
Trifloxystrobin	< LOQ	0.06	ppm		03/22/21 09:47	03/24/21 13:11
DDVP (Dichlorvos)	< LOQ	0.06	ppm		03/22/21 09:47	03/24/21 13:11

LCS(2113006-BS1)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Abamectin	105	0.4	ppm	70-130	03/22/21 09:47	03/24/21 13:11
Acephate	95.4	0.06	ppm	70-130	03/22/21 09:47	03/24/21 13:11
Acequinocyl	22.8	0.4	ppm	5.57-33.8	03/22/21 09:47	03/24/21 13:11
Acetamiprid	115	0.06	ppm	70-130	03/22/21 09:47	03/24/21 13:11
Aldicarb	116	0.06	ppm	70-130	03/22/21 09:47	03/24/21 13:11
Azoxystrobin	112	0.06	ppm	70-130	03/22/21 09:47	03/24/21 13:11
Bifenazate	118	0.06	ppm	70-130	03/22/21 09:47	03/24/21 13:11
Bifenthrin	124	0.06	ppm	70-130	03/22/21 09:47	03/24/21 13:11
Boscalid	86.1	0.06	ppm	70-130	03/22/21 09:47	03/23/21 13:44
Carbaryl	105	0.06	ppm	70-130	03/22/21 09:47	03/24/21 13:11
Carbofuran	121	0.06	ppm	70-130	03/22/21 09:47	03/24/21 13:11
Chlorantraniliprole	88.8	0.06	ppm	70-130	03/22/21 09:47	03/24/21 13:11
Chlorfenapyr	115	0.4	ppm	70-130	03/22/21 09:47	03/23/21 13:44
Chlorpyrifos	117	0.06	ppm	70-130	03/22/21 09:47	03/24/21 13:11
Clofentezine	13.9	0.06	ppm	14.4-62.3	03/22/21 09:47	03/24/21 13:11
Daminozide	51.0	0.06	ppm	0-100	03/22/21 09:47	03/24/21 13:11
Cyfluthrin	96.3	0.06	ppm	70-130	03/22/21 09:47	03/23/21 13:44
Diazinon	123	0.06	ppm	70-130	03/22/21 09:47	03/24/21 13:11
Cypermethrin	98.7	0.4	ppm	70-130	03/22/21 09:47	03/23/21 13:44
Dimethoate	121	0.06	ppm	70-130	03/22/21 09:47	03/24/21 13:11
Ethoprophos	126	0.06	ppm	70-130	03/22/21 09:47	03/24/21 13:11
Etofenprox	122	0.06	ppm	70-130	03/22/21 09:47	03/24/21 13:11
Etoxazole	111	0.06	ppm	70-130	03/22/21 09:47	03/24/21 13:11
Fenoxycarb	114	0.06	ppm	70-130	03/22/21 09:47	03/24/21 13:11
Fenpyroximate	62.1	0.06	ppm	70-130	03/22/21 09:47	03/24/21 13:11
Flonicamid	127	0.06	ppm	70-130	03/22/21 09:47	03/24/21 13:11
Fludioxonil	121	0.06	ppm	70-130	03/22/21 09:47	03/24/21 13:11



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### Quality Control Pesticide Analysis (Continued)

Batch: 2113006 - 202 (Continued)

LCS(2113006-BS1)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Hexythiazox	123	0.1	ppm	80-120	03/22/21 09:47	03/24/21 13:11
Imazalil	74.3	0.06	ppm	57.9-96.4	03/22/21 09:47	03/24/21 13:11
Fipronil	101	0.1	ppm	70-130	03/22/21 09:47	03/23/21 13:44
Imidacloprid	118	0.06	ppm	70-130	03/22/21 09:47	03/24/21 13:11
Fludioxonil	90.7	0.06	ppm	70-130	03/22/21 09:47	03/23/21 13:44
Metalaxyl	116	0.06	ppm	70-130	03/22/21 09:47	03/24/21 13:11
Methiocarb	113	0.06	ppm	70-130	03/22/21 09:47	03/24/21 13:11
Methomyl	97.3	0.06	ppm	70-130	03/22/21 09:47	03/24/21 13:11
Myclobutanil	110	0.06	ppm	70-130	03/22/21 09:47	03/24/21 13:11
Kresoxim-methyl	114	0.1	ppm	70-130	03/22/21 09:47	03/23/21 13:44
Naled	118	0.06	ppm	70-130	03/22/21 09:47	03/24/21 13:11
Malathion	109	0.06	ppm	70-130	03/22/21 09:47	03/23/21 13:44
Oxamyl	121	0.06	ppm	70-130	03/22/21 09:47	03/24/21 13:11
Paclobutrazol	101	0.06	ppm	70-130	03/22/21 09:47	03/24/21 13:11
Methyl parathion	110	0.06	ppm	70-130	03/22/21 09:47	03/23/21 13:44
MGK-264	106	0.06	ppm	70-130	03/22/21 09:47	03/23/21 13:44
Phosmet	103	0.06	ppm	70-130	03/22/21 09:47	03/24/21 13:11
Piperonyl butoxide	55.6	0.9	ppm	70-130	03/22/21 09:47	03/24/21 13:11
Prallethrin	118	0.06	ppm	70-130	03/22/21 09:47	03/24/21 13:11
Propoxur	121	0.06	ppm	70-130	03/22/21 09:47	03/24/21 13:11
Permethrins	107	0.06	ppm	70-130	03/22/21 09:47	03/23/21 13:44
Pyrethrins	92.3	0.06	ppm	70-130	03/22/21 09:47	03/24/21 13:11
Pyridaben	109	0.06	ppm	70-130	03/22/21 09:47	03/24/21 13:11
Propiconazole	105	0.06	ppm	70-130	03/22/21 09:47	03/23/21 13:44
Spinosad	90.2	0.06	ppm	70-130	03/22/21 09:47	03/24/21 13:11
Spiromesifen	149	0.06	ppm	70-130	03/22/21 09:47	03/24/21 13:11
Spirotetramat	107	0.06	ppm	70-130	03/22/21 09:47	03/24/21 13:11
Spiroxamine	107	0.06	ppm	70-130	03/22/21 09:47	03/24/21 13:11
Tebuconazole	94.4	0.06	ppm	70-130	03/22/21 09:47	03/24/21 13:11
Thiacloprid	115	0.06	ppm	70-130	03/22/21 09:47	03/24/21 13:11
Thiamethoxam	111	0.06	ppm	70-130	03/22/21 09:47	03/24/21 13:11
Trifloxystrobin	111	0.06	ppm	70-130	03/22/21 09:47	03/24/21 13:11
DDVP (Dichlorvos)	128	0.06	ppm	70-130	03/22/21 09:47	03/24/21 13:11

### Solvent Analysis

Batch: 2113005 - 205

Blank(2113005-BLK1)						
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed



*Russell Kuhfeld*

Russell Kuhfeld  
Quality Officer - 3/27/2021

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### Quality Control Solvent Analysis (Continued)

Batch: 2113005 - 205 (Continued)

Blank(2113005-BLK1)						
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Acetone	< LOQ	1000	ppm		03/22/21 09:39	03/23/21 08:25
Acetonitrile	< LOQ	50.00	ppm		03/22/21 09:39	03/23/21 08:25
Benzene	< LOQ	1.000	ppm		03/22/21 09:39	03/23/21 08:25
Butanes	< LOQ	1000	ppm		03/22/21 09:39	03/23/21 08:25
2-Butanol	< LOQ	1000	ppm		03/22/21 09:39	03/23/21 08:25
Cumene	< LOQ	35.00	ppm		03/22/21 09:39	03/23/21 08:25
Cyclohexane	< LOQ	50.00	ppm		03/22/21 09:39	03/23/21 08:25
Dichloromethane	< LOQ	50.00	ppm		03/22/21 09:39	03/23/21 08:25
1,4-Dioxane	< LOQ	50.00	ppm		03/22/21 09:39	03/23/21 08:25
2-Ethoxyethanol	< LOQ	80.00	ppm		03/22/21 09:39	03/23/21 08:25
Ethyl acetate	< LOQ	1000	ppm		03/22/21 09:39	03/23/21 08:25
Ethyl benzene	< LOQ	35.00	ppm		03/22/21 09:39	03/23/21 08:25
Ethylene glycol	< LOQ	310.0	ppm		03/22/21 09:39	03/23/21 08:25
Ethylene oxide	< LOQ	25.00	ppm		03/22/21 09:39	03/23/21 08:25
Ethyl ether	< LOQ	1000	ppm		03/22/21 09:39	03/23/21 08:25
Heptane	< LOQ	1000	ppm		03/22/21 09:39	03/23/21 08:25
Hexanes	< LOQ	50.00	ppm		03/22/21 09:39	03/23/21 08:25
Isopropyl acetate	< LOQ	1000	ppm		03/22/21 09:39	03/23/21 08:25
Methanol	< LOQ	1000	ppm		03/22/21 09:39	03/23/21 08:25
Pentanes	< LOQ	1000	ppm		03/22/21 09:39	03/23/21 08:25
Propane	< LOQ	1000	ppm		03/22/21 09:39	03/23/21 08:25
2-Propanol (IPA)	< LOQ	1000	ppm		03/22/21 09:39	03/23/21 08:25
Tetrahydrofuran	< LOQ	50.00	ppm		03/22/21 09:39	03/23/21 08:25
Toluene	< LOQ	50.00	ppm		03/22/21 09:39	03/23/21 08:25
Xylenes	< LOQ	50.00	ppm		03/22/21 09:39	03/23/21 08:25

LCS(2113005-BS1)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Acetone	103	1000	ppm	70-130	03/22/21 09:39	03/22/21 12:34
Acetonitrile	103	50.00	ppm	70-130	03/22/21 09:39	03/22/21 12:34
Benzene	103	1.000	ppm	70-130	03/22/21 09:39	03/22/21 12:34
n-Butane	83.2	50.00	ppm	70-130	03/22/21 09:39	03/22/21 12:34
Butanes	79.9	1000	ppm	70-130	03/22/21 09:39	03/22/21 12:34
2-Butanol	99.0	1000	ppm	70-130	03/22/21 09:39	03/22/21 12:34
Cumene	112	35.00	ppm	70-130	03/22/21 09:39	03/22/21 12:34
Cyclohexane	96.8	50.00	ppm	70-130	03/22/21 09:39	03/22/21 12:34
Dichloromethane	97.9	50.00	ppm	70-130	03/22/21 09:39	03/22/21 12:34
1,4-Dioxane	106	50.00	ppm	70-130	03/22/21 09:39	03/22/21 12:34
2-Ethoxyethanol	124	80.00	ppm	70-130	03/22/21 09:39	03/22/21 12:34



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### Quality Control Solvent Analysis (Continued)

Batch: 2113005 - 205 (Continued)

LCS(2113005-BS1)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Ethyl acetate	98.9	1000	ppm	70-130	03/22/21 09:39	03/22/21 12:34
Ethyl benzene	110	35.00	ppm	70-130	03/22/21 09:39	03/22/21 12:34
Ethylene glycol	136	310.0	ppm	70-130	03/22/21 09:39	03/22/21 12:34
Ethylene oxide	95.7	25.00	ppm	70-130	03/22/21 09:39	03/22/21 12:34
Ethyl ether	96.3	1000	ppm	70-130	03/22/21 09:39	03/22/21 12:34
Heptane	99.4	1000	ppm	70-130	03/22/21 09:39	03/22/21 12:34
n-Hexane	96.9	50.00	ppm	70-130	03/22/21 09:39	03/22/21 12:34
Hexanes	94.4	50.00	ppm	70-130	03/22/21 09:39	03/22/21 12:34
iso-Butane	76.6	50.00	ppm	70-130	03/22/21 09:39	03/22/21 12:34
Isopropyl acetate	98.0	1000	ppm	70-130	03/22/21 09:39	03/22/21 12:34
iso-Pentane	90.1	50.00	ppm	70-130	03/22/21 09:39	03/22/21 12:34
Methanol	100	1000	ppm	70-130	03/22/21 09:39	03/22/21 12:34
2-Methylpentane	96.2	50.00	ppm	70-130	03/22/21 09:39	03/22/21 12:34
3-Methylpentane	95.9	50.00	ppm	70-130	03/22/21 09:39	03/22/21 12:34
neo-Pentane	80.0	50.00	ppm	70-130	03/22/21 09:39	03/22/21 12:34
n-Pentane	93.2	50.00	ppm	70-130	03/22/21 09:39	03/22/21 12:34
Pentanes	87.8	1000	ppm	70-130	03/22/21 09:39	03/22/21 12:34
Propane	65.6	1000	ppm	70-130	03/22/21 09:39	03/22/21 12:34
2-Propanol (IPA)	117	1000	ppm	70-130	03/22/21 09:39	03/22/21 12:34
Tetrahydrofuran	103	50.00	ppm	70-130	03/22/21 09:39	03/22/21 12:34
Toluene	104	50.00	ppm	70-130	03/22/21 09:39	03/22/21 12:34



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### Quality Control Metals Analysis

#### Batch: 2113050 - Metals

Blank(2113050-BLK1)						
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Cadmium	< LOQ	0.0500	ug/g		03/25/21 11:16	03/25/21 15:18
Lead	< LOQ	0.0500	ug/g		03/25/21 11:16	03/25/21 15:18
Arsenic	< LOQ	0.0500	ug/g		03/25/21 11:16	03/25/21 15:18
Mercury	< LOQ	0.0100	ug/g		03/25/21 11:16	03/25/21 15:18

LCS(2113050-BS1)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Cadmium	94.2	0.0500	ug/g	70-130	03/25/21 11:16	03/25/21 15:20
Lead	103	0.0500	ug/g	70-130	03/25/21 11:16	03/25/21 15:20
Arsenic	96.9	0.0500	ug/g	70-130	03/25/21 11:16	03/25/21 15:20
Mercury	98.7	0.0100	ug/g	70-130	03/25/21 11:16	03/25/21 15:20