



CBD Isolate

Sample ID: G0C0018-01

Matrix: Extracts & Concentrates

Test ID: 5005829

Source ID:

Date Sampled: 03/02/20

Date Accepted: 03/02/20

Jeremy Unger

Potency Analysis

Date/Time Extracted: 03/03/20 10:48

Analysis Method/SOP: 215

Batch Identification: 2010014

Cannabinoids	LOQ (%)	% by Wt.	mg/g	Cannabinoids Profile
Total THC	0.1577	< LOQ	< LOQ	<p>99.2</p>
Total CBD	0.0431	99.24	992.4	
THCA	0.0607	< LOQ	< LOQ	
delta 9-THC	0.1577	< LOQ	< LOQ	
delta 8-THC	0.0934	< LOQ	< LOQ	
Exo-THC	0.0217	< LOQ	< LOQ	
THCV	0.1052	< LOQ	< LOQ	
THCVA	0.0392	< LOQ	< LOQ	
CBD	0.0324	99.24	992.4	
CBDA	0.0431	< LOQ	< LOQ	
CBDV	0.1040	< LOQ	< LOQ	
CBDVA	0.0341	< LOQ	< LOQ	
CBN	0.0622	< LOQ	< LOQ	
CBG	0.0164	< LOQ	< LOQ	
CBGA	0.0164	< LOQ	< LOQ	
CBC	0.1864	< LOQ	< LOQ	
Total Cannabinoids		99.24	992.4	

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

Total CBD = CBD + (CBDA * 0.877)

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



Russell Kuhfeld

Russell Kuhfeld
Quality Officer - 3/6/2020

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Matrix: Extracts & Concentrates

Test ID: 5005829

Source ID:

Date Sampled: 03/02/20

Date Accepted: 03/02/20

Jeremy Unger

Pesticide Analysis in ppm

Date/Time Extracted: 03/03/20 10:50

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	Etoxazole	< 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	Fonicamid	< 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	Malathion	< LOQ	0.2		0.06	ppm
Metaxyl	< 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**.



Russell Kuhfeld

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Quality Officer - 3/6/2020

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Source ID:

Date Sampled: 03/02/20

Date Accepted: 03/02/20

Jeremy Unger

Residual Solvents

Date/Time Extracted: 03/03/20 10:47

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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Sample ID: G0C0018-01

Matrix: Extracts & Concentrates

Test ID: 5005829

Source ID:

Date Sampled: 03/02/20

Date Accepted: 03/02/20

Jeremy Unger

Metals Analysis by ICPMS

Date/Time Extracted: 03/06/20 10:28

Analysis Method/SOP: HM-001

Analyte	Result	LOD	LOQ	Units
Arsenic	< LOQ	0.01	0.05	ug/g
Cadmium	< LOQ	0.001	0.05	ug/g
Lead	0.1	0.002	0.05	ug/g
Mercury	< LOQ	0.004	0.01	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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Test ID: 5005829

Source ID:

Date Sampled: 03/02/20

Date Accepted: 03/02/20

Jeremy Unger

Microbials by PCR

Date/Time Extracted: 03/05/20 16:10

Analysis Method/SOP: MI-301

Analyte	Result	LOD	LOQ	Units	
Escherichia Coli	Pass	0.00	0.00	CFU/g	No detection in 1 gram
Salmonella	Pass	0.00	0.00	CFU/g	No detection in 1 gram

Analysis Subcontracted to Green Leaf Labs - SCCA.



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Quality Control Potency

Batch: 2010014 - 215-Concentrates

Blank(2010014-BLK1)						
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed
THCA	< LOQ	0.0607	%		03/03/20 10:48	03/03/20 13:46
delta 9-THC	< LOQ	0.1577	%		03/03/20 10:48	03/03/20 13:46
delta 8-THC	< LOQ	0.0934	%		03/03/20 10:48	03/03/20 13:46
Exo-THC	< LOQ	0.0217	%		03/03/20 10:48	03/03/20 13:46
THCV	< LOQ	0.1052	%		03/03/20 10:48	03/03/20 13:46
THCVA	< LOQ	0.0392	%		03/03/20 10:48	03/03/20 13:46
CBD	< LOQ	0.0324	%		03/03/20 10:48	03/03/20 13:46
CBDA	< LOQ	0.0431	%		03/03/20 10:48	03/03/20 13:46
CBDV	< LOQ	0.1040	%		03/03/20 10:48	03/03/20 13:46
CBDVA	< LOQ	0.0341	%		03/03/20 10:48	03/03/20 13:46
CBN	< LOQ	0.0622	%		03/03/20 10:48	03/03/20 13:46
CBG	< LOQ	0.0164	%		03/03/20 10:48	03/03/20 13:46
CBGA	< LOQ	0.0164	%		03/03/20 10:48	03/03/20 13:46
CBC	< LOQ	0.1864	%		03/03/20 10:48	03/03/20 13:46

Reference(2010014-SRM1)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
THCA	102	0.0300	%	80-120	03/03/20 10:48	03/03/20 14:09
delta 9-THC	107	0.0779	%	80-120	03/03/20 10:48	03/03/20 14:09
CBD	103	0.0160	%	80-120	03/03/20 10:48	03/03/20 14:09
CBDA	105	0.0213	%	80-120	03/03/20 10:48	03/03/20 14:09

Pesticide Analysis

Batch: 2010015 - 202

Blank(2010015-BLK1)						
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Abamectin	< LOQ	0.4	ppm		03/03/20 10:50	03/03/20 23:45
DDVP (Dichlorvos)	< LOQ	0.06	ppm		03/03/20 10:50	03/03/20 23:23
Acephate	< LOQ	0.06	ppm		03/03/20 10:50	03/03/20 23:45
Acequinocyl	< LOQ	0.4	ppm		03/03/20 10:50	03/03/20 23:45
Acetamiprid	< LOQ	0.06	ppm		03/03/20 10:50	03/03/20 23:45
Aldicarb	< LOQ	0.06	ppm		03/03/20 10:50	03/03/20 23:45
Azoxystrobin	< LOQ	0.06	ppm		03/03/20 10:50	03/03/20 23:45
Bifenazate	< LOQ	0.06	ppm		03/03/20 10:50	03/03/20 23:45
Bifenthrin	< LOQ	0.06	ppm		03/03/20 10:50	03/03/20 23:23
Boscalid	< LOQ	0.06	ppm		03/03/20 10:50	03/03/20 23:23
Carbaryl	< LOQ	0.06	ppm		03/03/20 10:50	03/03/20 23:45
Carbofuran	< LOQ	0.06	ppm		03/03/20 10:50	03/03/20 23:45
Chlorantraniliprole	< LOQ	0.06	ppm		03/03/20 10:50	03/03/20 23:45



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Quality Control Pesticide Analysis (Continued)

Batch: 2010015 - 202 (Continued)

Blank(2010015-BLK1)						
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Chlorfenapyr	< LOQ	0.4	ppm		03/03/20 10:50	03/03/20 23:23
Chlorpyrifos	< LOQ	0.06	ppm		03/03/20 10:50	03/03/20 23:45
Clofentezine	< LOQ	0.06	ppm		03/03/20 10:50	03/03/20 23:45
Daminozide	< LOQ	0.06	ppm		03/03/20 10:50	03/03/20 23:45
Cyfluthrin	< LOQ	0.06	ppm		03/03/20 10:50	03/03/20 23:23
Diazinon	< LOQ	0.06	ppm		03/03/20 10:50	03/03/20 23:45
Cypermethrin	< LOQ	0.4	ppm		03/03/20 10:50	03/03/20 23:23
Dimethoate	< LOQ	0.06	ppm		03/03/20 10:50	03/03/20 23:45
Ethoprophos	< LOQ	0.06	ppm		03/03/20 10:50	03/03/20 23:45
Etofenprox	< LOQ	0.06	ppm		03/03/20 10:50	03/03/20 23:45
Etoxazole	< LOQ	0.06	ppm		03/03/20 10:50	03/03/20 23:45
Fenoxycarb	< LOQ	0.06	ppm		03/03/20 10:50	03/03/20 23:45
Fenpyroximate	< LOQ	0.06	ppm		03/03/20 10:50	03/03/20 23:45
Fonicamid	< LOQ	0.06	ppm		03/03/20 10:50	03/03/20 23:45
Fludioxonil	< LOQ	0.06	ppm		03/03/20 10:50	03/03/20 23:45
Hexythiazox	< LOQ	0.1	ppm		03/03/20 10:50	03/03/20 23:45
Imazalil	< LOQ	0.06	ppm		03/03/20 10:50	03/03/20 23:45
Fipronil	< LOQ	0.1	ppm		03/03/20 10:50	03/03/20 23:23
Imidacloprid	< LOQ	0.06	ppm		03/03/20 10:50	03/03/20 23:45
Malathion	< LOQ	0.06	ppm		03/03/20 10:50	03/03/20 23:45
Fludioxonil	< LOQ	0.06	ppm		03/03/20 10:50	03/03/20 23:23
Metalaxyl	< LOQ	0.06	ppm		03/03/20 10:50	03/03/20 23:45
Methiocarb	< LOQ	0.06	ppm		03/03/20 10:50	03/03/20 23:45
Methomyl	< LOQ	0.06	ppm		03/03/20 10:50	03/03/20 23:45
Myclobutanil	< LOQ	0.06	ppm		03/03/20 10:50	03/03/20 23:45
Kresoxim-methyl	< LOQ	0.1	ppm		03/03/20 10:50	03/03/20 23:23
Naled	< LOQ	0.06	ppm		03/03/20 10:50	03/03/20 23:45
Malathion	< LOQ	0.06	ppm		03/03/20 10:50	03/03/20 23:23
Oxamyl	< LOQ	0.06	ppm		03/03/20 10:50	03/03/20 23:45
Paclobutrazol	< LOQ	0.06	ppm		03/03/20 10:50	03/03/20 23:45
Methyl parathion	< LOQ	0.06	ppm		03/03/20 10:50	03/03/20 23:23
MGK-264	< LOQ	0.06	ppm		03/03/20 10:50	03/03/20 23:23
Phosmet	< LOQ	0.06	ppm		03/03/20 10:50	03/03/20 23:45
Piperonyl butoxide	< LOQ	0.9	ppm		03/03/20 10:50	03/03/20 23:45
Prallethrin	< LOQ	0.06	ppm		03/03/20 10:50	03/03/20 23:45
Propoxur	< LOQ	0.06	ppm		03/03/20 10:50	03/03/20 23:45
Permethrins	< LOQ	0.06	ppm		03/03/20 10:50	03/03/20 23:23
Pyrethrins	< LOQ	0.06	ppm		03/03/20 10:50	03/03/20 23:45



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Quality Control Pesticide Analysis (Continued)

Batch: 2010015 - 202 (Continued)

Blank(2010015-BLK1)						
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Pyridaben	< LOQ	0.06	ppm		03/03/20 10:50	03/03/20 23:45
Propiconazole	< LOQ	0.06	ppm		03/03/20 10:50	03/03/20 23:23
Spinosad	< LOQ	0.06	ppm		03/03/20 10:50	03/03/20 23:45
Spiromesifen	< LOQ	0.06	ppm		03/03/20 10:50	03/03/20 23:45
Spirotetramat	< LOQ	0.06	ppm		03/03/20 10:50	03/03/20 23:45
Spiroxamine	< LOQ	0.06	ppm		03/03/20 10:50	03/03/20 23:45
Tebuconazole	< LOQ	0.06	ppm		03/03/20 10:50	03/03/20 23:45
Thiacloprid	< LOQ	0.06	ppm		03/03/20 10:50	03/03/20 23:45
Thiamethoxam	< LOQ	0.06	ppm		03/03/20 10:50	03/03/20 23:45
Trifloxystrobin	< LOQ	0.06	ppm		03/03/20 10:50	03/03/20 23:45

LCS(2010015-BS1)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Abamectin	8.94	0.4	ppm	70-130	03/03/20 10:50	03/04/20 00:08
DDVP (Dichlorvos)	9.43	0.06	ppm	70-130	03/03/20 10:50	03/03/20 23:45
Acephate	10.3	0.06	ppm	70-130	03/03/20 10:50	03/04/20 00:08
Acequinocyl	2.88	0.4	ppm	5.57-33.8	03/03/20 10:50	03/04/20 00:08
Acetamiprid	10.1	0.06	ppm	70-130	03/03/20 10:50	03/04/20 00:08
Aldicarb	10.3	0.06	ppm	70-130	03/03/20 10:50	03/04/20 00:08
Azoxystrobin	10.3	0.06	ppm	70-130	03/03/20 10:50	03/04/20 00:08
Bifenazate	10.9	0.06	ppm	70-130	03/03/20 10:50	03/04/20 00:08
Bifenthrin	7.48	0.06	ppm	70-130	03/03/20 10:50	03/03/20 23:45
Boscalid	9.73	0.06	ppm	70-130	03/03/20 10:50	03/03/20 23:45
Carbaryl	9.46	0.06	ppm	70-130	03/03/20 10:50	03/04/20 00:08
Carbofuran	10.5	0.06	ppm	70-130	03/03/20 10:50	03/04/20 00:08
Chlorantraniliprole	6.89	0.06	ppm	70-130	03/03/20 10:50	03/04/20 00:08
Chlorfenapyr	9.76	0.4	ppm	70-130	03/03/20 10:50	03/03/20 23:45
Chlorpyrifos	10.7	0.06	ppm	70-130	03/03/20 10:50	03/04/20 00:08
Clofentezine	0.748	0.06	ppm	14.4-62.3	03/03/20 10:50	03/04/20 00:08
Daminozide	8.46	0.06	ppm	0-100	03/03/20 10:50	03/04/20 00:08
Cyfluthrin	9.62	0.06	ppm	70-130	03/03/20 10:50	03/03/20 23:45
Diazinon	9.86	0.06	ppm	70-130	03/03/20 10:50	03/04/20 00:08
Cypermethrin	9.80	0.4	ppm	70-130	03/03/20 10:50	03/03/20 23:45
Dimethoate	10.0	0.06	ppm	70-130	03/03/20 10:50	03/04/20 00:08
Ethoprophos	10.5	0.06	ppm	70-130	03/03/20 10:50	03/04/20 00:08
Etofenprox	10.1	0.06	ppm	70-130	03/03/20 10:50	03/04/20 00:08
Etoxazole	10.5	0.06	ppm	70-130	03/03/20 10:50	03/04/20 00:08
Fenoxycarb	10.1	0.06	ppm	70-130	03/03/20 10:50	03/04/20 00:08
Fenpyroximate	6.32	0.06	ppm	70-130	03/03/20 10:50	03/04/20 00:08



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Quality Officer - 3/6/2020

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Quality Control Pesticide Analysis (Continued)

Batch: 2010015 - 202 (Continued)

LCS(2010015-BS1)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Fonicamid	10.2	0.06	ppm	70-130	03/03/20 10:50	03/04/20 00:08
Fludioxonil	9.90	0.06	ppm	70-130	03/03/20 10:50	03/04/20 00:08
Hexythiazox	11.1	0.1	ppm	70-130	03/03/20 10:50	03/04/20 00:08
Imazalil	7.55	0.06	ppm	57.9-96.4	03/03/20 10:50	03/04/20 00:08
Fipronil	10.4	0.1	ppm	70-130	03/03/20 10:50	03/03/20 23:45
Imidacloprid	10.1	0.06	ppm	70-130	03/03/20 10:50	03/04/20 00:08
Malathion	9.45	0.06	ppm	70-130	03/03/20 10:50	03/04/20 00:08
Fludioxonil	9.37	0.06	ppm	70-130	03/03/20 10:50	03/03/20 23:45
Metalaxyl	10.4	0.06	ppm	70-130	03/03/20 10:50	03/04/20 00:08
Methiocarb	9.95	0.06	ppm	70-130	03/03/20 10:50	03/04/20 00:08
Methomyl	10.1	0.06	ppm	70-130	03/03/20 10:50	03/04/20 00:08
Myclobutanil	10.0	0.06	ppm	70-130	03/03/20 10:50	03/04/20 00:08
Kresoxim-methyl	11.0	0.1	ppm	70-130	03/03/20 10:50	03/03/20 23:45
Naled	9.65	0.06	ppm	70-130	03/03/20 10:50	03/04/20 00:08
Malathion	10.0	0.06	ppm	70-130	03/03/20 10:50	03/03/20 23:45
Oxamyl	9.97	0.06	ppm	70-130	03/03/20 10:50	03/04/20 00:08
Paclobutrazol	9.66	0.06	ppm	70-130	03/03/20 10:50	03/04/20 00:08
Methyl parathion	10.2	0.06	ppm	70-130	03/03/20 10:50	03/03/20 23:45
MGK-264	9.89	0.06	ppm	70-130	03/03/20 10:50	03/03/20 23:45
Phosmet	9.49	0.06	ppm	70-130	03/03/20 10:50	03/04/20 00:08
Piperonyl butoxide	9.14	0.9	ppm	70-130	03/03/20 10:50	03/04/20 00:08
Prallethrin	11.5	0.06	ppm	70-130	03/03/20 10:50	03/04/20 00:08
Propoxur	10.5	0.06	ppm	70-130	03/03/20 10:50	03/04/20 00:08
Permethrins	9.80	0.06	ppm	70-130	03/03/20 10:50	03/03/20 23:45
Pyrethrins	0.657	0.06	ppm	70-130	03/03/20 10:50	03/04/20 00:08
Pyridaben	9.92	0.06	ppm	70-130	03/03/20 10:50	03/04/20 00:08
Propiconazole	8.99	0.06	ppm	70-130	03/03/20 10:50	03/03/20 23:45
Spinosad	7.37	0.06	ppm	70-130	03/03/20 10:50	03/04/20 00:08
Spiromesifen	11.7	0.06	ppm	70-130	03/03/20 10:50	03/04/20 00:08
Spirotetramat	10.6	0.06	ppm	70-130	03/03/20 10:50	03/04/20 00:08
Spiroxamine	39.8	0.06	ppm	70-130	03/03/20 10:50	03/04/20 00:08
Tebuconazole	8.65	0.06	ppm	70-130	03/03/20 10:50	03/04/20 00:08
Thiacloprid	10.1	0.06	ppm	70-130	03/03/20 10:50	03/04/20 00:08
Thiamethoxam	7.81	0.06	ppm	70-130	03/03/20 10:50	03/04/20 00:08
Trifloxystrobin	10.6	0.06	ppm	70-130	03/03/20 10:50	03/04/20 00:08

Solvent Analysis

Batch: 2010013 - 205



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Quality Officer - 3/6/2020

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Quality Control Solvent Analysis (Continued)

Batch: 2010013 - 205 (Continued)

Blank(2010013-BLK1)						
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Acetone	< LOQ	1000	ppm		03/03/20 10:47	03/04/20 10:02
Acetonitrile	< LOQ	50.00	ppm		03/03/20 10:47	03/04/20 10:02
Benzene	< LOQ	1.000	ppm		03/03/20 10:47	03/04/20 10:02
Butanes	< LOQ	1000	ppm		03/03/20 10:47	03/04/20 10:02
2-Butanol	< LOQ	1000	ppm		03/03/20 10:47	03/04/20 10:02
Cumene	< LOQ	35.00	ppm		03/03/20 10:47	03/04/20 10:02
Cyclohexane	< LOQ	50.00	ppm		03/03/20 10:47	03/04/20 10:02
Dichloromethane	< LOQ	50.00	ppm		03/03/20 10:47	03/04/20 10:02
1,4-Dioxane	< LOQ	50.00	ppm		03/03/20 10:47	03/04/20 10:02
2-Ethoxyethanol	< LOQ	80.00	ppm		03/03/20 10:47	03/04/20 10:02
Ethyl acetate	< LOQ	1000	ppm		03/03/20 10:47	03/04/20 10:02
Ethyl benzene	< LOQ	35.00	ppm		03/03/20 10:47	03/04/20 10:02
Ethylene glycol	< LOQ	310.0	ppm		03/03/20 10:47	03/04/20 10:02
Ethylene oxide	< LOQ	25.00	ppm		03/03/20 10:47	03/04/20 10:02
Ethyl ether	< LOQ	1000	ppm		03/03/20 10:47	03/04/20 10:02
Heptane	< LOQ	1000	ppm		03/03/20 10:47	03/04/20 10:02
Hexanes	< LOQ	50.00	ppm		03/03/20 10:47	03/04/20 10:02
Isopropyl acetate	< LOQ	1000	ppm		03/03/20 10:47	03/04/20 10:02
Methanol	< LOQ	1000	ppm		03/03/20 10:47	03/04/20 10:02
Pentanes	< LOQ	1000	ppm		03/03/20 10:47	03/04/20 10:02
Propane	< LOQ	1000	ppm		03/03/20 10:47	03/04/20 10:02
2-Propanol (IPA)	< LOQ	1000	ppm		03/03/20 10:47	03/04/20 10:02
Tetrahydrofuran	< LOQ	50.00	ppm		03/03/20 10:47	03/04/20 10:02
Toluene	< LOQ	50.00	ppm		03/03/20 10:47	03/04/20 10:02
Xylenes	< LOQ	50.00	ppm		03/03/20 10:47	03/04/20 10:02

LCS(2010013-BS1)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Acetone	82.1	1000	ppm	70-130	03/03/20 10:47	03/03/20 16:10
Acetonitrile	82.1	50.00	ppm	70-130	03/03/20 10:47	03/03/20 16:10
Benzene	79.9	1.000	ppm	70-130	03/03/20 10:47	03/03/20 16:10
n-Butane	81.7	50.00	ppm	70-130	03/03/20 10:47	03/03/20 16:10
Butanes	76.9	1000	ppm	70-130	03/03/20 10:47	03/03/20 16:10
2-Butanol	93.5	1000	ppm	70-130	03/03/20 10:47	03/03/20 16:10
Cumene	73.1	35.00	ppm	70-130	03/03/20 10:47	03/03/20 16:10
Cyclohexane	85.1	50.00	ppm	70-130	03/03/20 10:47	03/03/20 16:10
Dichloromethane	75.8	50.00	ppm	70-130	03/03/20 10:47	03/03/20 16:10
1,4-Dioxane	80.3	50.00	ppm	70-130	03/03/20 10:47	03/03/20 16:10
2-Ethoxyethanol	74.3	80.00	ppm	70-130	03/03/20 10:47	03/03/20 16:10



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Quality Control Solvent Analysis (Continued)

Batch: 2010013 - 205 (Continued)

LCS(2010013-BS1)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Ethyl acetate	83.9	1000	ppm	70-130	03/03/20 10:47	03/03/20 16:10
Ethyl benzene	70.5	35.00	ppm	70-130	03/03/20 10:47	03/03/20 16:10
Ethylene glycol	108	310.0	ppm	70-130	03/03/20 10:47	03/03/20 16:10
Ethylene oxide	83.8	25.00	ppm	70-130	03/03/20 10:47	03/03/20 16:10
Ethyl ether	82.8	1000	ppm	70-130	03/03/20 10:47	03/03/20 16:10
Heptane	66.2	1000	ppm	70-130	03/03/20 10:47	03/03/20 16:10
n-Hexane	79.9	50.00	ppm	70-130	03/03/20 10:47	03/03/20 16:10
Hexanes	81.6	50.00	ppm	70-130	03/03/20 10:47	03/03/20 16:10
iso-Butane	72.0	50.00	ppm	70-130	03/03/20 10:47	03/03/20 16:10
Isopropyl acetate	81.5	1000	ppm	70-130	03/03/20 10:47	03/03/20 16:10
iso-Pentane	80.1	50.00	ppm	70-130	03/03/20 10:47	03/03/20 16:10
Methanol	74.8	1000	ppm	70-130	03/03/20 10:47	03/03/20 16:10
2-Methylpentane	75.2	50.00	ppm	70-130	03/03/20 10:47	03/03/20 16:10
3-Methylpentane	81.0	50.00	ppm	70-130	03/03/20 10:47	03/03/20 16:10
neo-Pentane	79.8	50.00	ppm	70-130	03/03/20 10:47	03/03/20 16:10
n-Pentane	78.9	50.00	ppm	70-130	03/03/20 10:47	03/03/20 16:10
Pentanes	79.6	1000	ppm	70-130	03/03/20 10:47	03/03/20 16:10
Propane	52.5	1000	ppm	70-130	03/03/20 10:47	03/03/20 16:10
2-Propanol (IPA)	78.2	1000	ppm	70-130	03/03/20 10:47	03/03/20 16:10
Tetrahydrofuran	92.2	50.00	ppm	70-130	03/03/20 10:47	03/03/20 16:10
Toluene	74.1	50.00	ppm	70-130	03/03/20 10:47	03/03/20 16:10



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