



12025 NE Marx St. Portland, OR 97220
503-253-3511 / www.greenleaflab.org

Green Leaf Lab proudly follows TNI 2009
Quality Standards

Sour Space Candy

Date Sampled: 10/04/18 00:00

Date Accepted: 10/04/18

Results Valid Until: 10/04/19

Sample ID: G8J0122-01

Results at a Glance

Total CBD : 18.39 %

Pesticides : PASS

R&D Testing Only – Not Viable for Oregon Compliance Testing

Eric Wendt
Chief Science Officer - 10/16/2018



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Sour Space Candy

Date Sampled: 10/04/18 00:00

Date Accepted: 10/04/18

Results Valid Until: 10/04/19

M #: M#103942

Sample ID: G8J0122-01

Matrix: Industrial Hemp

Potency Analysis

Date/Time Extracted: 10/09/18 11:50

Analysis Method/SOP: 215

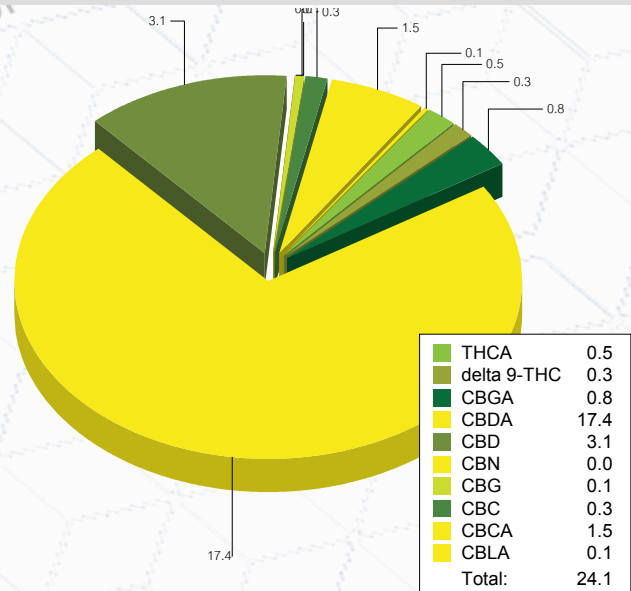
Date/Time Analyzed: 10/15/18 15:21

Batch Identification: 1841020

Cannabinoids (% weight)

Total CBD ((CBDA*0.877)+CBD)	18.39
THCA	0.4737
delta 9-THC	0.3062
delta 8-THC	< LOQ
THCV	< LOQ
CBD	3.136
CBDA	17.39
CBDV	< LOQ
CBDVA	< LOQ
CBN	0.02536
CBGA	0.7740
CBG	0.1413
CBC	0.2858
CBCA	1.482
CBLA	0.07263

Cannabinoids Profile



<LOQ - Results below the Limit of Quantitation - Compound not detected. LOQ = 5 PPM (mg/L)

For Potency only delta 9-THC, THCA, CBD, CBDA are ORELAP accredited analytes.

Water Activity Action Level is 0.65. Results above 0.65 fail state testing requirements and will be highlighted Red.

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Results Valid Until: 10/04/19

M #: M#103942

Sample ID: G8J0122-01

Matrix: Industrial Hemp

Pesticide Analysis in PPM

Date/Time Extracted: 10/10/18 10:37

Date/Time GC Analyzed: 10/10/18 20:12

Analysis Method/SOP: 203

Date/Time LC Analyzed: 10/10/18 17:51

Batch Identification: 1841031

Analyte	Result	Action Level	LOQ	Type
Abamectin	< LOQ	0.5	0.04	Insecticide and anthelmintic
Acephate	< LOQ	0.4	0.04	Organophosphate insecticide
Acequinocyl	< LOQ	2	0.04	Acaricide
Acetamiprid	< LOQ	0.2	0.04	Neonicotinoid insecticide
Aldicarb	< LOQ	0.4	0.04	Carbamate insecticide
Azoxystrobin	< LOQ	0.2	0.04	QoI fungicide
Bifenazate	< LOQ	0.2	0.04	Insecticide and miticide
Bifenthrin	< LOQ	0.2	0.04	Pyrethroid insecticide and acaricide
Boscalid	< LOQ	0.4	0.04	Carboxamide fungicide
Carbaryl	< LOQ	0.2	0.04	Carbamate insecticide
Carbofuran	< LOQ	0.2	0.04	Carbamate insecticide
Chlorantraniliprole	< LOQ	0.2	0.04	Anthranilic diamide insecticide
Chlorfenapyr	< LOQ	1	0.04	Pyrazole insecticide, acaricide and miticide
Chlorpyrifos	< LOQ	0.2	0.04	Organophosphate insecticide
Clofentezine	< LOQ	0.2	0.04	Ovicidal tetrazine acaricide
Cyfluthrin	< LOQ	1	0.04	Pyrethroid insecticide
Cypermethrin	< LOQ	1	0.04	Pyrethroid insecticide
Daminozide	< LOQ	1	0.04	Plant growth regulator
DDVP (Dichlorvos)	< LOQ	1	0.04	Organophosphate insecticide
Diazinon	< LOQ	0.2	0.04	Organophosphate insecticide
Dimethoate	< LOQ	0.2	0.04	Organophosphate insecticide
Ethoprophos	< LOQ	0.2	0.04	Organophosphate insecticide, nematocide
Etofenprox	< LOQ	0.4	0.04	Pyrethroid insecticide
Etoxazole	< LOQ	0.2	0.04	Diphenyl oxazoline acaricide
Fenoxycarb	< LOQ	0.2	0.04	Carbamate insecticide
Fenpyroximate	< LOQ	0.4	0.04	Pyrazolium insecticide and acaricide
Fipronil	< LOQ	0.4	0.04	Pyrazole insecticide
Fonicamid	< LOQ	1	0.04	Pyridinecarboxamide insecticide
Fludioxonil	< LOQ	0.4	0.04	Phenylpyrrole fungicide
Hexythiazox	< LOQ	1	0.04	Carboxamide acaricide
Imazalil	< LOQ	0.2	0.04	Azole fungicide
Imidacloprid	< LOQ	0.4	0.04	Neonicotinoid insecticide
Kresoxim-methyl	< LOQ	0.4	0.04	Strobilurin fungicide and bactericide
Malathion	< LOQ	0.2	0.04	Organophosphate insecticide and acaricide
Metalaxyl	< LOQ	0.2	0.04	Phenylamide fungicide

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Date/Time GC Analyzed: 10/10/18 20:12

Analysis Method/SOP: 203

Date/Time LC Analyzed: 10/10/18 17:51

Batch Identification: 1841031

Analyte	Result	Action Level	LOQ	Type
Methiocarb	< LOQ	0.2	0.04	Carbamate insecticide
Methomyl	< LOQ	0.4	0.04	Carbamate insecticide
Methyl parathion	< LOQ	0.2	0.04	Organophosphate insecticide
MGK-264	< LOQ	0.2	0.04	Synergist
Myclobutanil	< LOQ	0.2	0.04	Triazole fungicide
Naled	< LOQ	0.5	0.04	Organophosphate insecticide and acaricide
Oxamyl	< LOQ	1	0.04	Organophosphate insecticide, nematocide
Paclobutrazol	< LOQ	0.4	0.04	Triazole fungicide and plant growth regulator
Permethrins	< LOQ	0.2	0.04	Pyrethroid insecticide
Phosmet	< LOQ	0.2	0.04	Organophosphate insecticide and acaricide
Piperonyl butoxide	< LOQ	2	0.1	Synergist
Prallethrin	< LOQ	0.2	0.04	Synthetic pyrethroid insecticide
Propiconazole	< LOQ	0.4	0.04	Triazole fungicide
Propoxur	< LOQ	0.2	0.04	Carbamate insecticide and acaricide
Pyrethrins	< LOQ	1	0.1	Pyrethroid insecticide
Pyridaben	< LOQ	0.2	0.04	Pyridazinone insecticide and acaricide
Spinosad	< LOQ	0.2	0.04	Spinosyn insecticide
Spiromesifen	< LOQ	0.2	0.04	Keto-enol insecticide
Spirotetramat	< LOQ	0.2	0.04	Keto-enol insecticide
Spiroxamine	< LOQ	0.4	0.04	Morpholine fungicide
Tebuconazole	< LOQ	0.4	0.04	Triazole fungicide and plant growth regulator
Thiacloprid	< LOQ	0.2	0.04	Neonicotinoid insecticide and molluscicide
Thiamethoxam	< LOQ	0.2	0.04	Neonicotinoid insecticide
Trifloxystrobin	< LOQ	0.2	0.04	Strobilurin fungicide

<LOQ - Results below the Limit of Quantitation - Compound not detected

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

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Quality Control Potency

Batch: 1841020 - 215-Useable

Blank(1841020-BLK1)						
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed
THCA	< LOQ	0.1124	%		10/09/18 11:50	10/09/18 17:09
delta 9-THC	< LOQ	0.1124	%		10/09/18 11:50	10/09/18 17:09
delta 8-THC	< LOQ	0.1124	%		10/09/18 11:50	10/09/18 17:09
THCV	< LOQ	0.1124	%		10/09/18 11:50	10/09/18 17:09
CBD	< LOQ	0.1124	%		10/09/18 11:50	10/09/18 17:09
CBDA	< LOQ	0.1124	%		10/09/18 11:50	10/09/18 17:09
CBDV	< LOQ	0.1124	%		10/09/18 11:50	10/09/18 17:09
CBDVA	< LOQ	0.1124	%		10/09/18 11:50	10/09/18 17:09
CBN	< LOQ	0.1124	%		10/09/18 11:50	10/09/18 17:09
CBG	< LOQ	0.1124	%		10/09/18 11:50	10/09/18 17:09
CBGA	< LOQ	0.1124	%		10/09/18 11:50	10/09/18 17:09
CBC	< LOQ	0.1124	%		10/09/18 11:50	10/09/18 17:09
CBCA	< LOQ	0.1124	%		10/09/18 11:50	10/09/18 17:09
CBLA	< LOQ	0.1124	%		10/09/18 11:50	10/09/18 17:09

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LCS(1841020-BS1)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
THCA	101	0.005350	%	80-120	10/09/18 11:50	10/09/18 17:20
delta 9-THC	94.6	0.005350	%	80-120	10/09/18 11:50	10/09/18 17:20
CBD	97.4	0.005350	%	80-120	10/09/18 11:50	10/09/18 17:20
CBDA	94.6	0.005350	%	80-120	10/09/18 11:50	10/09/18 17:20

LCS(1841020-BS2)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
THCA	97.9	0.001536	%	80-120	10/09/18 11:50	10/09/18 17:32
delta 9-THC	94.8	0.001536	%	80-120	10/09/18 11:50	10/09/18 17:32
CBD	96.2	0.001536	%	80-120	10/09/18 11:50	10/09/18 17:32
CBDA	94.8	0.001536	%	80-120	10/09/18 11:50	10/09/18 17:32

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Quality Control Pesticide Analysis

Batch: 1841031 - 203

Blank(1841031-BLK1)						
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Abamectin	< LOQ	0.04	ppm		10/10/18 10:37	10/10/18 15:47
DDVP (Dichlorvos)	< LOQ	0.04	ppm		10/10/18 10:37	10/10/18 18:00
Acephate	< LOQ	0.04	ppm		10/10/18 10:37	10/10/18 15:47
Acequinocyl	< LOQ	0.04	ppm		10/10/18 10:37	10/10/18 15:47
Acetamiprid	< LOQ	0.04	ppm		10/10/18 10:37	10/10/18 15:47
Aldicarb	< LOQ	0.04	ppm		10/10/18 10:37	10/10/18 15:47
Azoxystrobin	< LOQ	0.04	ppm		10/10/18 10:37	10/10/18 15:47
Bifenazate	< LOQ	0.04	ppm		10/10/18 10:37	10/10/18 15:47
Bifenthrin	< LOQ	0.04	ppm		10/10/18 10:37	10/10/18 15:47
Boscalid	< LOQ	0.04	ppm		10/10/18 10:37	10/10/18 18:00
Carbaryl	< LOQ	0.04	ppm		10/10/18 10:37	10/10/18 15:47
Carbofuran	< LOQ	0.04	ppm		10/10/18 10:37	10/10/18 15:47
Chlorantraniliprole	< LOQ	0.04	ppm		10/10/18 10:37	10/10/18 15:47
Chlorfenapyr	< LOQ	0.04	ppm		10/10/18 10:37	10/10/18 18:00
Chlorpyrifos	< LOQ	0.04	ppm		10/10/18 10:37	10/10/18 18:00
Clofentezine	< LOQ	0.04	ppm		10/10/18 10:37	10/10/18 15:47
Cyfluthrin	< LOQ	0.04	ppm		10/10/18 10:37	10/10/18 18:00
Cypermethrin	< LOQ	0.04	ppm		10/10/18 10:37	10/10/18 18:00
Daminozide	< LOQ	0.04	ppm		10/10/18 10:37	10/10/18 15:47
Diazinon	< LOQ	0.04	ppm		10/10/18 10:37	10/10/18 15:47
Dimethoate	< LOQ	0.04	ppm		10/10/18 10:37	10/10/18 15:47
Ethoprophos	< LOQ	0.04	ppm		10/10/18 10:37	10/10/18 15:47
Etofenprox	< LOQ	0.04	ppm		10/10/18 10:37	10/10/18 15:47
Etoxazole	< LOQ	0.04	ppm		10/10/18 10:37	10/10/18 15:47
Fenoxycarb	< LOQ	0.04	ppm		10/10/18 10:37	10/10/18 15:47
Fenpyroximate	< LOQ	0.04	ppm		10/10/18 10:37	10/10/18 15:47
Fipronil	< LOQ	0.04	ppm		10/10/18 10:37	10/10/18 18:00
Flonicamid	< LOQ	0.04	ppm		10/10/18 10:37	10/10/18 15:47
Fludioxonil	< LOQ	0.04	ppm		10/10/18 10:37	10/10/18 18:00
Hexythiazox	< LOQ	0.04	ppm		10/10/18 10:37	10/10/18 15:47
Imazalil	< LOQ	0.04	ppm		10/10/18 10:37	10/10/18 15:47
Imidacloprid	< LOQ	0.04	ppm		10/10/18 10:37	10/10/18 15:47
Kresoxim-methyl	< LOQ	0.04	ppm		10/10/18 10:37	10/10/18 18:00
Malathion	< LOQ	0.04	ppm		10/10/18 10:37	10/10/18 18:00
Metalaxyl	< LOQ	0.04	ppm		10/10/18 10:37	10/10/18 15:47
Methiocarb	< LOQ	0.04	ppm		10/10/18 10:37	10/10/18 15:47
Methomyl	< LOQ	0.04	ppm		10/10/18 10:37	10/10/18 15:47
Methyl parathion	< LOQ	0.04	ppm		10/10/18 10:37	10/10/18 18:00

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Quality Control Pesticide Analysis (Continued)

Batch: 1841031 - 203 (Continued)

Blank(1841031-BLK1)						
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed
MGK-264	< LOQ	0.04	ppm		10/10/18 10:37	10/10/18 18:00
Myclobutanil	< LOQ	0.04	ppm		10/10/18 10:37	10/10/18 15:47
Naled	< LOQ	0.04	ppm		10/10/18 10:37	10/10/18 15:47
Oxamyl	< LOQ	0.04	ppm		10/10/18 10:37	10/10/18 15:47
Paclobutrazol	< LOQ	0.04	ppm		10/10/18 10:37	10/10/18 15:47
Permethrins	< LOQ	0.04	ppm		10/10/18 10:37	10/10/18 15:47
Phosmet	< LOQ	0.04	ppm		10/10/18 10:37	10/10/18 15:47
Piperonyl butoxide	< LOQ	0.1	ppm		10/10/18 10:37	10/10/18 15:47
Prallethrin	< LOQ	0.04	ppm		10/10/18 10:37	10/10/18 15:47
Propiconazole	< LOQ	0.04	ppm		10/10/18 10:37	10/10/18 18:00
Propoxur	< LOQ	0.04	ppm		10/10/18 10:37	10/10/18 15:47
Pyrethrins	< LOQ	0.1	ppm		10/10/18 10:37	10/10/18 15:47
Pyridaben	< LOQ	0.04	ppm		10/10/18 10:37	10/10/18 15:47
Spinosad	< LOQ	0.04	ppm		10/10/18 10:37	10/10/18 15:47
Spiromesifen	< LOQ	0.04	ppm		10/10/18 10:37	10/10/18 15:47
Spirotetramat	< LOQ	0.04	ppm		10/10/18 10:37	10/10/18 15:47
Spiroxamine	< LOQ	0.04	ppm		10/10/18 10:37	10/10/18 15:47
Tebuconazole	< LOQ	0.04	ppm		10/10/18 10:37	10/10/18 15:47
Thiacloprid	< LOQ	0.04	ppm		10/10/18 10:37	10/10/18 15:47
Thiamethoxam	< LOQ	0.04	ppm		10/10/18 10:37	10/10/18 15:47
Trifloxystrobin	< LOQ	0.04	ppm		10/10/18 10:37	10/10/18 15:47

LCS(1841031-BS1)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Abamectin	75.0	0.04	ppm	7-141	10/10/18 10:37	10/10/18 16:08
DDVP (Dichlorvos)	94.4	0.04	ppm	70-130	10/10/18 10:37	10/10/18 18:22
Acephate	83.9	0.04	ppm	70-130	10/10/18 10:37	10/10/18 16:08
Acequinocyl	66.5	0.04	ppm	0-111	10/10/18 10:37	10/10/18 16:08
Acetamiprid	96.7	0.04	ppm	70-130	10/10/18 10:37	10/10/18 16:08
Aldicarb	91.7	0.04	ppm	70-130	10/10/18 10:37	10/10/18 16:08
Azoxystrobin	102	0.04	ppm	70-130	10/10/18 10:37	10/10/18 16:08
Bifenazate	110	0.04	ppm	70-130	10/10/18 10:37	10/10/18 16:08
Bifenthrin	128	0.04	ppm	70-130	10/10/18 10:37	10/10/18 16:08
Boscalid	99.3	0.04	ppm	70-130	10/10/18 10:37	10/10/18 18:22
Carbaryl	98.8	0.04	ppm	70-130	10/10/18 10:37	10/10/18 16:08
Carbofuran	100	0.04	ppm	70-130	10/10/18 10:37	10/10/18 16:08
Chlorantraniliprole	154	0.04	ppm	23-110	10/10/18 10:37	10/10/18 16:08
Chlorfenapyr	87.5	0.04	ppm	70-130	10/10/18 10:37	10/10/18 18:22
Chlorpyrifos	84.5	0.04	ppm	70-130	10/10/18 10:37	10/10/18 18:22

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Quality Control

Pesticide Analysis (Continued)

Batch: 1841031 - 203 (Continued)

LCS(1841031-BS1)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Clofentezine	94.5	0.04	ppm	35-118	10/10/18 10:37	10/10/18 16:08
Cyfluthrin	79.5	0.04	ppm	70-130	10/10/18 10:37	10/10/18 18:22
Cypermethrin	85.4	0.04	ppm	70-130	10/10/18 10:37	10/10/18 18:22
Daminozide	3.99	0.04	ppm	0-100	10/10/18 10:37	10/10/18 16:08
Diazinon	123	0.04	ppm	70-130	10/10/18 10:37	10/10/18 16:08
Dimethoate	96.5	0.04	ppm	70-130	10/10/18 10:37	10/10/18 16:08
Ethoprophos	105	0.04	ppm	70-130	10/10/18 10:37	10/10/18 16:08
Etofenprox	104	0.04	ppm	70-130	10/10/18 10:37	10/10/18 16:08
Etoxazole	97.0	0.04	ppm	70-130	10/10/18 10:37	10/10/18 16:08
Fenoxycarb	97.5	0.04	ppm	70-130	10/10/18 10:37	10/10/18 16:08
Fenpyroximate	91.2	0.04	ppm	60-120	10/10/18 10:37	10/10/18 16:08
Fipronil	86.0	0.04	ppm	70-130	10/10/18 10:37	10/10/18 18:22
Flonicamid	95.2	0.04	ppm	70-130	10/10/18 10:37	10/10/18 16:08
Fludioxonil	79.7	0.04	ppm	70-130	10/10/18 10:37	10/10/18 18:22
Hexythiazox	106	0.04	ppm	70-130	10/10/18 10:37	10/10/18 16:08
Imazalil	68.2	0.04	ppm	31-103	10/10/18 10:37	10/10/18 16:08
Imidacloprid	99.6	0.04	ppm	70-130	10/10/18 10:37	10/10/18 16:08
Kresoxim-methyl	86.8	0.04	ppm	70-130	10/10/18 10:37	10/10/18 18:22
Malathion	90.3	0.04	ppm	70-130	10/10/18 10:37	10/10/18 18:22
Metalaxyl	103	0.04	ppm	70-130	10/10/18 10:37	10/10/18 16:08
Methiocarb	120	0.04	ppm	70-130	10/10/18 10:37	10/10/18 16:08
Methomyl	88.1	0.04	ppm	70-130	10/10/18 10:37	10/10/18 16:08
Methyl parathion	80.1	0.04	ppm	70-130	10/10/18 10:37	10/10/18 18:22
MGK-264	84.2	0.04	ppm	70-130	10/10/18 10:37	10/10/18 18:22
Myclobutanil	102	0.04	ppm	70-130	10/10/18 10:37	10/10/18 16:08
Naled	86.7	0.04	ppm	0-103	10/10/18 10:37	10/10/18 16:08
Oxamyl	93.1	0.04	ppm	70-130	10/10/18 10:37	10/10/18 16:08
Paclobutrazol	97.7	0.04	ppm	70-130	10/10/18 10:37	10/10/18 16:08
Permethrins	94.8	0.04	ppm	70-130	10/10/18 10:37	10/10/18 16:08
Phosmet	95.6	0.04	ppm	70-130	10/10/18 10:37	10/10/18 16:08
Piperonyl butoxide	303	0.1	ppm	70-130	10/10/18 10:37	10/10/18 16:08
Prallethrin	117	0.04	ppm	70-130	10/10/18 10:37	10/10/18 16:08
Propiconazole	87.7	0.04	ppm	70-130	10/10/18 10:37	10/10/18 18:22
Propoxur	103	0.04	ppm	70-130	10/10/18 10:37	10/10/18 16:08
Pyrethrins	78.3	0.1	ppm	70-130	10/10/18 10:37	10/10/18 16:08
Pyridaben	88.7	0.04	ppm	60-120	10/10/18 10:37	10/10/18 16:08
Spinosad	61.7	0.04	ppm	24-91	10/10/18 10:37	10/10/18 16:08
Spiromesifen	104	0.04	ppm	70-130	10/10/18 10:37	10/10/18 16:08

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Quality Control
Pesticide Analysis (Continued)

Batch: 1841031 - 203 (Continued)

LCS(1841031-BS1)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Spirotetramat	97.2	0.04	ppm	70-130	10/10/18 10:37	10/10/18 16:08
Spiroxamine	58.0	0.04	ppm	15-95	10/10/18 10:37	10/10/18 16:08
Tebuconazole	91.0	0.04	ppm	70-130	10/10/18 10:37	10/10/18 16:08
Thiacloprid	91.9	0.04	ppm	70-130	10/10/18 10:37	10/10/18 16:08
Thiamethoxam	91.8	0.04	ppm	70-130	10/10/18 10:37	10/10/18 16:08
Trifloxystrobin	107	0.04	ppm	70-130	10/10/18 10:37	10/10/18 16:08

Eric Wendt
Chief Science Officer - 10/16/2018