Green Leaf Lab®

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

Green Leaf Lab proudly follows TNI 2009 Quality Standards

T Free Distillate 2120

Date Sampled: 02/18/19 00:00
Date Accepted: 02/18/19

Harvest/Prod. Date: 2/17/19, Product Exp. 8/17/19

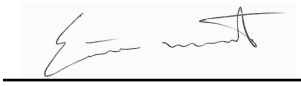
Sample ID: G9B0266-01

Results at a Glance

Total CBD : 86.94 %

Pesticides : PASS

Residual Solvent Analysis : PASS



Eric Wendt
Chief Science Officer - 2/28/2019

Green Leaf Lab

Official Cannalysis Report

License#: 10029074C70

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T Free Distillate 2120

Date Sampled: 02/18/19 00:00
Date Accepted: 02/18/19

Harvest/Prod. Date: 2/17/19, Product Exp. 8/17/19

Sample ID: G9B0266-01 **Matrix:** Extracts and Concentrates **M #:** HEMP 1005599

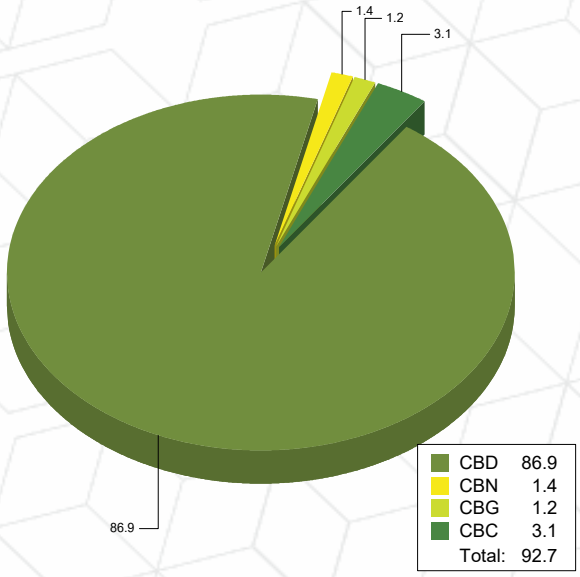
Potency Analysis

Date/Time Extracted: 02/20/19 10:19
Date/Time Analyzed: 02/21/19 11:22

Analysis Method/SOP: 215
Batch Identification: 1908034

Cannabinoids (% weight)	Decarboxylated* %
Total THC ((THCA*0.877)+Δ9)	< LOQ
Total CBD ((CBDA*0.877)+CBD)	86.94
THCA	< LOQ
delta 9-THC	< LOQ
delta 8-THC	< LOQ
THCV	< LOQ
CBD	86.94
CBDA	< LOQ
CBDV	< LOQ
CBDVA	< LOQ
CBN	1.399
CBG	1.224
CBGA	< LOQ
CBC	3.122
CBCA	< LOQ
CBLA	< LOQ
Total Cannabinoids	92.68

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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T Free Distillate 2120

Date Sampled: 02/18/19
Date Accepted: 02/18/19
Results Valid Until: 02/18/20

Harvest/Prod. Date: 2/17/19, Product Exp. 8/17/19

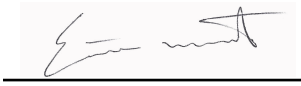
Sample ID: G9B0266-01 **Matrix:** Extracts and Concentrates **M #:** HEMP 1005599

Pesticide Analysis in PPM

Date/Time Extracted: 02/20/19 10:15
Analysis Method/SOP: 202
Batch Identification: 1908032

Date/Time GC Analyzed: 02/21/19 02:49
Date/Time LC Analyzed: 02/21/19 13:33

Analyte	Result	Action Level	LOQ	Type
Abamectin	< LOQ	0.5	0.08	Insecticide and anthelmintic
Acephate	< LOQ	0.4	0.01	Organophosphate insecticide
Acequinocyl	< LOQ	2	0.08	Acaracide
Acetamiprid	< LOQ	0.2	0.01	Neonicotinoid instecticide
Aldicarb	< LOQ	0.4	0.01	Carbamate insecticide
Azoxystrobin	< LOQ	0.2	0.01	QoI fungicide
Bifenazate	< LOQ	0.2	0.01	Insecticide and miticide
Bifenthrin	< LOQ	0.2	0.02	Pyrethroid insecticide and acaricide
Boscalid	< LOQ	0.4	0.01	Carboxamide fungicide
Carbaryl	< LOQ	0.2	0.01	Carbamate insecticide
Carbofuran	< LOQ	0.2	0.01	Carbamate insecticide
Chlorantraniliprole	< LOQ	0.2	0.01	Anthranilic diamide insecticide
Chlorfenapyr	< LOQ	1	0.2	Pyrazole insecticide, acaricide and miticide
Chlorpyrifos	< LOQ	0.2	0.01	Organophosphate insecticide
Clofentezine	< LOQ	0.2	0.01	Ovicidal tetrazine acaricide
Cyfluthrin	< LOQ	1	0.08	Pyrethroid insecticide
Cypermethrin	< LOQ	1	0.2	Pyrethroid insecticide
Daminozide	< LOQ	1	0.03	Plant growth regulator
DDVP (Dichlorvos)	< LOQ	1	0.01	Organophosphate insecticide
Diazinon	< LOQ	0.2	0.01	Organophosphate insecticide
Dimethoate	< LOQ	0.2	0.01	Organophosphate insecticide
Ethoprophos	< LOQ	0.2	0.01	Organophosphate insecticide, nematocide
Etofenprox	< LOQ	0.4	0.01	Pyrethroid insecticide
Etoxazole	< LOQ	0.2	0.01	Diphenyl oxazoline acaricide
Fenoxycarb	< LOQ	0.2	0.01	Carbamate insecticide
Fenpyroximate	< LOQ	0.4	0.01	Pyrazolium insecticide and acaricide
Fipronil	< LOQ	0.4	0.02	Pyrazole insecticide
Flonicamid	< LOQ	1	0.01	Pyridinecarboxamide insecticide
Fludioxonil	< LOQ	0.4	0.01	Phenylpyrrole fungicide
Hexythiazox	< LOQ	1	0.01	Carboxamide acaricide
Imazalil	< LOQ	0.2	0.01	Azole fungicide
Imidacloprid	< LOQ	0.4	0.01	Neonicotinoid insectide
Kresoxim-methyl	< LOQ	0.4	0.02	Strobilurin fungicide and bactericide
Malathion	< LOQ	0.2	0.01	Organophosphate insecticide and acaricide
Metalaxyl	< LOQ	0.2	0.01	Phenylamide fungicide



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T Free Distillate 2120

Date Sampled: 02/18/19
Date Accepted: 02/18/19
Results Valid Until: 02/18/20

Harvest/Prod. Date: 2/17/19, Product Exp. 8/17/19

Sample ID: G9B0266-01 **Matrix:** Extracts and Concentrates **M #:** HEMP 1005599

Pesticide Analysis in PPM

Date/Time Extracted: 02/20/19 10:15
Analysis Method/SOP: 202
Batch Identification: 1908032

Date/Time GC Analyzed: 02/21/19 02:49
Date/Time LC Analyzed: 02/21/19 13:33

Analyte	Result	Action Level	LOQ	Type
Methiocarb	< LOQ	0.2	0.01	Carbamate insecticide
Methomyl	< LOQ	0.4	0.01	Carbamate insecticide
Methyl parathion	< LOQ	0.2	0.01	Organophosphate insecticide
MGK-264	< LOQ	0.2	0.01	Synergist
Myclobutanil	< LOQ	0.2	0.01	Triazole fungicide
Naled	< LOQ	0.5	0.01	Organophosphate insecticide and acaricide
Oxamyl	< LOQ	1	0.01	Organophosphate insecticide, nematocide
Paclobutrazol	< LOQ	0.4	0.01	Triazole fungicide and plant growth regulator
Permethrins	< LOQ	0.2	0.2	Pyrethroid insecticide
Phosmet	< LOQ	0.2	0.01	Organophosphate insecticide and acaricide
Piperonyl butoxide	< LOQ	2	0.5	Synergist
Prallethrin	< LOQ	0.2	0.01	Synthetic pyrethroid insecticide
Propiconazole	< LOQ	0.4	0.2	Triazole fungicide
Propoxur	< LOQ	0.2	0.01	Carbamate insecticide and acaricide
Pyrethrins	< LOQ	1	0.08	Pyrethroid insecticide
Pyridaben	< LOQ	0.2	0.01	Pyridazinone insecticide and acaricide
Spinosad	< LOQ	0.2	0.01	Spinosyn insecticide
Spiromesifen	< LOQ	0.2	0.01	Keto-enol insecticide
Spirotetramat	< LOQ	0.2	0.01	Keto-enol insecticide
Spiroxamine	< LOQ	0.4	0.01	Morpholine fungicide
Tebuconazole	< LOQ	0.4	0.01	Triazole fungicide and plant growth regulator
Thiacloprid	< LOQ	0.2	0.01	Neonicotinoid insectide and molluscicide
Thiamethoxam	< LOQ	0.2	0.01	Neonicotinoid insectide
Trifloxystrobin	< LOQ	0.2	0.01	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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Date Accepted: 02/18/19

Harvest/Prod. Date: 2/17/19, Product Exp. 8/17/19

Sample ID: G9B0266-01 **Matrix:** Extracts and Concentrates **M #:** HEMP 1005599

Residual Solvents

Solvent	Results in ppm	LOQ	Action Level
Acetone	< LOQ	1000	5000
Acetonitrile	< LOQ	50.00	410
Benzene	< LOQ	0.5000	2
Butanes	< LOQ	1000	5000 3
2-Butanol	< LOQ	1000	5000
Cumene	< LOQ	50.00	70
Cyclohexane	< LOQ	50.00	3880
Dichloromethane	< LOQ	50.00	600
1,4-Dioxane	< LOQ	50.00	380
2-Ethoxyethanol	< LOQ	50.00	160
Ethyl acetate	< LOQ	1000	5000
Ethyl benzene	< LOQ	50.00	2170
Ethylene glycol	< LOQ	50.00	620
Ethylene oxide	< LOQ	50.00	50
Ethyl ether	< LOQ	1000	5000
Heptane	< LOQ	1000	5000
Hexanes	< LOQ	50.00	290 4
Isopropyl acetate	< LOQ	1000	5000
Methanol	< LOQ	100.0	3000
Pentanes	< LOQ	1000	5000 5
Propane	< LOQ	1000	5000
2-Propanol (IPA)	< LOQ	1000	5000
Tetrahydrofuran	< LOQ	50.00	720
Toluene	< LOQ	50.00	890
Xylenes	< LOQ	50.00	2170

<LOQ - Results below the Limit of Quantitation - Compound not detected
Results above the Action Level fail state testing requirements and will be highlighted Red.

Date/Time Extracted: 02/21/19 13:22
Date/Time Analyzed: 02/22/19 02:52
Analysis Method/SOP: 205
Batch Identification: 1908051

3 - Total butanes should be calculated as sum of n-butanes (CAS# 106-97-8) and iso-butane (CAS# 75-28-5)

4 - Total hexanes should be calculated as sum of n-hexane (CAS# 110-54-3), 2-methylpentane (CAS# 107-83-5), 3-methylpentane (CAS# 96-14-0), 2,2-dimethylbutane (CAS# 75-83-2), 2,3-dimenthylbutane (CAS# 79-29-8)

5 - Total pentanes should be calculated as sum of n-pentane (CAS# 109-66-0), iso-pentane (CAS# 78-78-4), and neo-pentane (CAS# 463-82-1)

6 - Total xylenes are 1,2-dimethylbenzene (CAS# 95-47-6), 1,3-dimethylbenzene (CAS# 106-42-3), and 1-4-dimethylbenzene (CAS# 106-42-3)

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Potency

Batch: 1908034 - 215-Concentrates

Blank(1908034-BLK1)

Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed
THCA	< LOQ	0.4100	%		02/20/19 10:19	02/20/19 18:29
delta 9-THC	< LOQ	0.4100	%		02/20/19 10:19	02/20/19 18:29
delta 8-THC	< LOQ	0.4100	%		02/20/19 10:19	02/20/19 18:29
THCV	< LOQ	0.4100	%		02/20/19 10:19	02/20/19 18:29
CBD	< LOQ	0.4100	%		02/20/19 10:19	02/20/19 18:29
CBDA	< LOQ	0.4100	%		02/20/19 10:19	02/20/19 18:29
CBDV	< LOQ	0.4100	%		02/20/19 10:19	02/20/19 18:29
CBDVA	< LOQ	0.4100	%		02/20/19 10:19	02/20/19 18:29
CBN	< LOQ	0.4100	%		02/20/19 10:19	02/20/19 18:29
CBG	< LOQ	0.4100	%		02/20/19 10:19	02/20/19 18:29
CBGA	< LOQ	0.4100	%		02/20/19 10:19	02/20/19 18:29
CBC	< LOQ	0.4100	%		02/20/19 10:19	02/20/19 18:29
CBCA	< LOQ	0.4100	%		02/20/19 10:19	02/20/19 18:29
CBLA	< LOQ	0.4100	%		02/20/19 10:19	02/20/19 18:29

Reference(1908034-SRM1)

Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
THCA	98.9	0.2388	%	80-120	02/20/19 10:19	02/20/19 18:51
delta 9-THC	96.6	0.2388	%	80-120	02/20/19 10:19	02/20/19 18:51
CBD	97.4	0.2388	%	80-120	02/20/19 10:19	02/20/19 18:51
CBDA	98.7	0.2388	%	80-120	02/20/19 10:19	02/20/19 18:51

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Pesticide Analysis

Batch: 1908032 - 202

Blank(1908032-BLK1)

Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Abamectin	< LOQ	0.08	ppm		02/20/19 10:15	02/21/19 06:59
DDVP (Dichlorvos)	< LOQ	0.01	ppm		02/20/19 10:15	02/20/19 20:34
Acephate	< LOQ	0.01	ppm		02/20/19 10:15	02/21/19 06:59
Acequinocyl	< LOQ	0.08	ppm		02/20/19 10:15	02/21/19 06:59
Acetamiprid	< LOQ	0.01	ppm		02/20/19 10:15	02/21/19 06:59
Aldicarb	< LOQ	0.01	ppm		02/20/19 10:15	02/21/19 06:59
Azoxystrobin	< LOQ	0.01	ppm		02/20/19 10:15	02/21/19 06:59
Bifenazate	< LOQ	0.01	ppm		02/20/19 10:15	02/21/19 06:59
Bifenthrin	< LOQ	0.02	ppm		02/20/19 10:15	02/20/19 20:34
Boscalid	< LOQ	0.01	ppm		02/20/19 10:15	02/20/19 20:34
Carbaryl	< LOQ	0.01	ppm		02/20/19 10:15	02/21/19 06:59
Carbofuran	< LOQ	0.01	ppm		02/20/19 10:15	02/21/19 06:59
Chlorantraniliprole	< LOQ	0.01	ppm		02/20/19 10:15	02/21/19 06:59
Chlorfenapyr	< LOQ	0.2	ppm		02/20/19 10:15	02/20/19 20:34
Chlorpyrifos	< LOQ	0.01	ppm		02/20/19 10:15	02/21/19 06:59
Clofentezine	< LOQ	0.01	ppm		02/20/19 10:15	02/21/19 06:59
Cyfluthrin	< LOQ	0.08	ppm		02/20/19 10:15	02/21/19 06:59
Cypermethrin	< LOQ	0.2	ppm		02/20/19 10:15	02/20/19 20:34
Daminozide	< LOQ	0.03	ppm		02/20/19 10:15	02/21/19 06:59
Diazinon	< LOQ	0.01	ppm		02/20/19 10:15	02/21/19 06:59
Dimethoate	< LOQ	0.01	ppm		02/20/19 10:15	02/21/19 06:59
Ethoprophos	< LOQ	0.01	ppm		02/20/19 10:15	02/21/19 06:59
Etofenprox	< LOQ	0.01	ppm		02/20/19 10:15	02/21/19 06:59
Etoxazole	< LOQ	0.01	ppm		02/20/19 10:15	02/21/19 06:59
Fenoxycarb	< LOQ	0.01	ppm		02/20/19 10:15	02/21/19 06:59
Fenpyroximate	< LOQ	0.01	ppm		02/20/19 10:15	02/21/19 06:59
Fipronil	< LOQ	0.02	ppm		02/20/19 10:15	02/20/19 20:34
Flonicamid	< LOQ	0.01	ppm		02/20/19 10:15	02/21/19 06:59
Fludioxonil	< LOQ	0.01	ppm		02/20/19 10:15	02/21/19 06:59
Hexythiazox	< LOQ	0.01	ppm		02/20/19 10:15	02/21/19 06:59
Imazalil	< LOQ	0.01	ppm		02/20/19 10:15	02/21/19 06:59
Imidacloprid	< LOQ	0.01	ppm		02/20/19 10:15	02/21/19 06:59
Kresoxim-methyl	< LOQ	0.02	ppm		02/20/19 10:15	02/20/19 20:34
Malathion	< LOQ	0.01	ppm		02/20/19 10:15	02/21/19 06:59
Metalaxyl	< LOQ	0.01	ppm		02/20/19 10:15	02/21/19 06:59
Methiocarb	< LOQ	0.01	ppm		02/20/19 10:15	02/21/19 06:59
Methomyl	< LOQ	0.01	ppm		02/20/19 10:15	02/21/19 06:59
Methyl parathion	< LOQ	0.01	ppm		02/20/19 10:15	02/20/19 20:34

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Quality Control

Pesticide Analysis (Continued)

Batch: 1908032 - 202 (Continued)

Blank(1908032-BLK1)

Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed
MGK-264	< LOQ	0.01	ppm		02/20/19 10:15	02/20/19 20:34
Myclobutanil	< LOQ	0.01	ppm		02/20/19 10:15	02/21/19 06:59
Naled	< LOQ	0.01	ppm		02/20/19 10:15	02/21/19 06:59
Oxamyl	< LOQ	0.01	ppm		02/20/19 10:15	02/21/19 06:59
Paclobutrazol	< LOQ	0.01	ppm		02/20/19 10:15	02/21/19 06:59
Permethrins	< LOQ	0.2	ppm		02/20/19 10:15	02/20/19 20:34
Phosmet	< LOQ	0.01	ppm		02/20/19 10:15	02/21/19 06:59
Piperonyl butoxide	< LOQ	0.5	ppm		02/20/19 10:15	02/21/19 06:59
Prallethrin	< LOQ	0.01	ppm		02/20/19 10:15	02/21/19 06:59
Propiconazole	< LOQ	0.2	ppm		02/20/19 10:15	02/20/19 20:34
Propoxur	< LOQ	0.01	ppm		02/20/19 10:15	02/21/19 06:59
Pyrethrins	< LOQ	0.08	ppm		02/20/19 10:15	02/21/19 06:59
Pyridaben	< LOQ	0.01	ppm		02/20/19 10:15	02/21/19 06:59
Spinosad	< LOQ	0.01	ppm		02/20/19 10:15	02/21/19 06:59
Spiromesifen	< LOQ	0.01	ppm		02/20/19 10:15	02/21/19 06:59
Spirotetramat	< LOQ	0.01	ppm		02/20/19 10:15	02/21/19 06:59
Spiroxamine	< LOQ	0.01	ppm		02/20/19 10:15	02/21/19 06:59
Tebuconazole	< LOQ	0.01	ppm		02/20/19 10:15	02/21/19 06:59
Thiacloprid	< LOQ	0.01	ppm		02/20/19 10:15	02/21/19 06:59
Thiamethoxam	< LOQ	0.01	ppm		02/20/19 10:15	02/21/19 06:59
Trifloxystrobin	< LOQ	0.01	ppm		02/20/19 10:15	02/21/19 06:59

LCS(1908032-BS1)

Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Abamectin	83.2	0.08	ppm	70-130	02/20/19 10:15	02/21/19 07:23
DDVP (Dichlorvos)	94.7	0.01	ppm	70-130	02/20/19 10:15	02/20/19 20:56
Acephate	115	0.01	ppm	70-130	02/20/19 10:15	02/21/19 07:23
Acequinocyl	22.7	0.08	ppm	5.57-33.8	02/20/19 10:15	02/21/19 07:23
Acetamiprid	94.6	0.01	ppm	70-130	02/20/19 10:15	02/21/19 07:23
Aldicarb	94.6	0.01	ppm	70-130	02/20/19 10:15	02/21/19 07:23
Azoxystrobin	92.7	0.01	ppm	70-130	02/20/19 10:15	02/21/19 07:23
Bifenazate	85.9	0.01	ppm	70-130	02/20/19 10:15	02/21/19 07:23
Bifenthrin	101	0.02	ppm	70-130	02/20/19 10:15	02/20/19 20:56
Boscalid	73.4	0.01	ppm	70-130	02/20/19 10:15	02/20/19 20:56
Carbaryl	100	0.01	ppm	70-130	02/20/19 10:15	02/21/19 07:23
Carbofuran	105	0.01	ppm	70-130	02/20/19 10:15	02/21/19 07:23
Chlorantraniliprole	82.0	0.01	ppm	70-130	02/20/19 10:15	02/21/19 07:23
Chlorfenapyr	92.9	0.2	ppm	70-130	02/20/19 10:15	02/20/19 20:56
Chlorpyrifos	88.0	0.01	ppm	70-130	02/20/19 10:15	02/21/19 07:23

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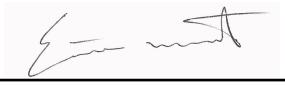
Pesticide Analysis (Continued)

Batch: 1908032 - 202 (Continued)

LCS(1908032-BS1)

Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Clofentezine	33.2	0.01	ppm	70-130	02/20/19 10:15	02/21/19 07:23
Cyfluthrin	75.6	0.08	ppm	70-130	02/20/19 10:15	02/21/19 07:23
Cypermethrin	75.2	0.2	ppm	70-130	02/20/19 10:15	02/20/19 20:56
Daminozide	9.79	0.03	ppm	0-100	02/20/19 10:15	02/21/19 07:23
Diazinon	91.8	0.01	ppm	70-130	02/20/19 10:15	02/21/19 07:23
Dimethoate	97.1	0.01	ppm	70-130	02/20/19 10:15	02/21/19 07:23
Ethoprophos	97.9	0.01	ppm	70-130	02/20/19 10:15	02/21/19 07:23
Etofenprox	111	0.01	ppm	70-130	02/20/19 10:15	02/21/19 07:23
Etoxazole	91.7	0.01	ppm	70-130	02/20/19 10:15	02/21/19 07:23
Fenoxycarb	94.9	0.01	ppm	70-130	02/20/19 10:15	02/21/19 07:23
Fenpyroximate	75.7	0.01	ppm	70-130	02/20/19 10:15	02/21/19 07:23
Fipronil	83.7	0.02	ppm	70-130	02/20/19 10:15	02/20/19 20:56
Flonicamid	70.4	0.01	ppm	70-130	02/20/19 10:15	02/21/19 07:23
Fludioxonil	101	0.01	ppm	70-130	02/20/19 10:15	02/21/19 07:23
Hexythiazox	96.9	0.01	ppm	70-130	02/20/19 10:15	02/21/19 07:23
Imazalil	95.4	0.01	ppm	57.9-96.4	02/20/19 10:15	02/21/19 07:23
Imidacloprid	96.1	0.01	ppm	70-130	02/20/19 10:15	02/21/19 07:23
Kresoxim-methyl	96.1	0.02	ppm	70-130	02/20/19 10:15	02/20/19 20:56
Malathion	99.2	0.01	ppm	70-130	02/20/19 10:15	02/21/19 07:23
Metalaxyl	93.7	0.01	ppm	70-130	02/20/19 10:15	02/21/19 07:23
Methiocarb	100	0.01	ppm	70-130	02/20/19 10:15	02/21/19 07:23
Methomyl	102	0.01	ppm	70-130	02/20/19 10:15	02/21/19 07:23
Methyl parathion	73.3	0.01	ppm	70-130	02/20/19 10:15	02/20/19 20:56
MGK-264	87.5	0.01	ppm	70-130	02/20/19 10:15	02/20/19 20:56
Myclobutanil	96.6	0.01	ppm	70-130	02/20/19 10:15	02/21/19 07:23
Naled	101	0.01	ppm	70-130	02/20/19 10:15	02/21/19 07:23
Oxamyl	92.3	0.01	ppm	70-130	02/20/19 10:15	02/21/19 07:23
Paclobutrazol	88.4	0.01	ppm	70-130	02/20/19 10:15	02/21/19 07:23
Permethrins	87.6	0.2	ppm	70-130	02/20/19 10:15	02/20/19 20:56
Phosmet	91.1	0.01	ppm	70-130	02/20/19 10:15	02/21/19 07:23
Piperonyl butoxide	86.1	0.5	ppm	70-130	02/20/19 10:15	02/21/19 07:23
Prallethrin	90.6	0.01	ppm	70-130	02/20/19 10:15	02/21/19 07:23
Propiconazole	90.0	0.2	ppm	70-130	02/20/19 10:15	02/20/19 20:56
Propoxur	105	0.01	ppm	70-130	02/20/19 10:15	02/21/19 07:23
Pyrethrins	82.0	0.08	ppm	70-130	02/20/19 10:15	02/21/19 07:23
Pyridaben	96.8	0.01	ppm	70-130	02/20/19 10:15	02/21/19 07:23
Spinosad	78.3	0.01	ppm	51-86	02/20/19 10:15	02/21/19 07:23
Spiromesifen	89.7	0.01	ppm	70-130	02/20/19 10:15	02/21/19 07:23



Eric Wendt
Chief Science Officer - 2/28/2019

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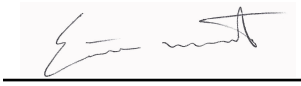
Quality Control

Pesticide Analysis (Continued)

Batch: 1908032 - 202 (Continued)

LCS(1908032-BS1)

Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Spirotetramat	85.5	0.01	ppm	70-130	02/20/19 10:15	02/21/19 07:23
Spiroxamine	76.0	0.01	ppm	70-130	02/20/19 10:15	02/21/19 07:23
Tebuconazole	89.1	0.01	ppm	70-130	02/20/19 10:15	02/21/19 07:23
Thiacloprid	95.3	0.01	ppm	70-130	02/20/19 10:15	02/21/19 07:23
Thiamethoxam	96.3	0.01	ppm	70-130	02/20/19 10:15	02/21/19 07:23
Trifloxystrobin	93.0	0.01	ppm	70-130	02/20/19 10:15	02/21/19 07:23



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Solvent Analysis

Batch: 1908051 - 205

Blank(1908051-BLK1)

Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Acetone	< LOQ	1000	ppm		02/21/19 13:22	02/22/19 17:02
Acetonitrile	< LOQ	50.00	ppm		02/21/19 13:22	02/22/19 17:02
Benzene	< LOQ	0.5000	ppm		02/21/19 13:22	02/22/19 17:02
Butanes	< LOQ	1000	ppm		02/21/19 13:22	02/22/19 17:02
2-Butanol	< LOQ	1000	ppm		02/21/19 13:22	02/22/19 17:02
Cumene	< LOQ	50.00	ppm		02/21/19 13:22	02/22/19 17:02
Cyclohexane	< LOQ	50.00	ppm		02/21/19 13:22	02/22/19 17:02
Dichloromethane	< LOQ	50.00	ppm		02/21/19 13:22	02/22/19 17:02
1,4-Dioxane	< LOQ	50.00	ppm		02/21/19 13:22	02/22/19 17:02
2-Ethoxyethanol	< LOQ	50.00	ppm		02/21/19 13:22	02/22/19 17:02
Ethyl acetate	< LOQ	1000	ppm		02/21/19 13:22	02/22/19 17:02
Ethyl benzene	< LOQ	50.00	ppm		02/21/19 13:22	02/22/19 17:02
Ethylene glycol	< LOQ	50.00	ppm		02/21/19 13:22	02/22/19 17:02
Ethylene oxide	< LOQ	50.00	ppm		02/21/19 13:22	02/22/19 17:02
Ethyl ether	< LOQ	1000	ppm		02/21/19 13:22	02/22/19 17:02
Heptane	< LOQ	1000	ppm		02/21/19 13:22	02/22/19 17:02
Hexanes	< LOQ	50.00	ppm		02/21/19 13:22	02/22/19 17:02
Isopropyl acetate	< LOQ	1000	ppm		02/21/19 13:22	02/22/19 17:02
Methanol	< LOQ	100.0	ppm		02/21/19 13:22	02/22/19 17:02
Pentanes	< LOQ	1000	ppm		02/21/19 13:22	02/22/19 17:02
Propane	< LOQ	1000	ppm		02/21/19 13:22	02/22/19 17:02
2-Propanol (IPA)	< LOQ	1000	ppm		02/21/19 13:22	02/22/19 17:02
Tetrahydrofuran	< LOQ	50.00	ppm		02/21/19 13:22	02/22/19 17:02
Toluene	< LOQ	50.00	ppm		02/21/19 13:22	02/22/19 17:02
Xylenes	< LOQ	50.00	ppm		02/21/19 13:22	02/22/19 17:02

LCS(1908051-BS1)

Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Acetone	103	1000	ppm	70-130	02/21/19 13:22	02/22/19 00:28
Acetonitrile	107	50.00	ppm	70-130	02/21/19 13:22	02/22/19 00:28
Benzene	100	0.5000	ppm	70-130	02/21/19 13:22	02/22/19 00:28
n-Butane	83.5	1000	ppm	70-130	02/21/19 13:22	02/22/19 00:28
Butanes	84.2	1000	ppm	70-130	02/21/19 13:22	02/22/19 00:28
2-Butanol	103	1000	ppm	70-130	02/21/19 13:22	02/22/19 00:28
Cumene	99.2	50.00	ppm	70-130	02/21/19 13:22	02/22/19 00:28
Cyclohexane	102	50.00	ppm	70-130	02/21/19 13:22	02/22/19 00:28
Dichloromethane	101	50.00	ppm	70-130	02/21/19 13:22	02/22/19 00:28
1,4-Dioxane	107	50.00	ppm	70-130	02/21/19 13:22	02/22/19 00:28
2-Ethoxyethanol	101	50.00	ppm	70-130	02/21/19 13:22	02/22/19 00:28

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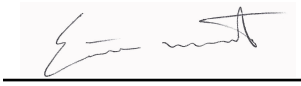
Quality Control

Solvent Analysis (Continued)

Batch: 1908051 - 205 (Continued)

LCS(1908051-BS1)

Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Ethyl acetate	106	1000	ppm	70-130	02/21/19 13:22	02/22/19 00:28
Ethyl benzene	104	50.00	ppm	70-130	02/21/19 13:22	02/22/19 00:28
Ethylene glycol	91.2	50.00	ppm	70-130	02/21/19 13:22	02/22/19 00:28
Ethylene oxide	97.8	50.00	ppm	70-130	02/21/19 13:22	02/22/19 00:28
Ethyl ether	96.8	1000	ppm	70-130	02/21/19 13:22	02/22/19 00:28
Heptane	93.1	1000	ppm	70-130	02/21/19 13:22	02/22/19 00:28
n-Hexane	93.7	50.00	ppm	70-130	02/21/19 13:22	02/22/19 00:28
Hexanes	95.7	50.00	ppm	70-130	02/21/19 13:22	02/22/19 00:28
iso-Butane	84.8	1000	ppm	70-130	02/21/19 13:22	02/22/19 00:28
Isopropyl acetate	105	1000	ppm	70-130	02/21/19 13:22	02/22/19 00:28
iso-Pentane	88.7	1000	ppm	70-130	02/21/19 13:22	02/22/19 00:28
Methanol	91.4	100.0	ppm	70-130	02/21/19 13:22	02/22/19 00:28
2-Methylpentane	97.2	50.00	ppm	70-130	02/21/19 13:22	02/22/19 00:28
3-Methylpentane	92.7	50.00	ppm	70-130	02/21/19 13:22	02/22/19 00:28
neo-Pentane	83.9	1000	ppm	70-130	02/21/19 13:22	02/22/19 00:28
n-Pentane	90.2	1000	ppm	70-130	02/21/19 13:22	02/22/19 00:28
Pentanes	87.6	1000	ppm	70-130	02/21/19 13:22	02/22/19 00:28
Propane	75.5	1000	ppm	70-130	02/21/19 13:22	02/22/19 00:28
2-Propanol (IPA)	102	1000	ppm	70-130	02/21/19 13:22	02/22/19 00:28
Tetrahydrofuran	107	50.00	ppm	70-130	02/21/19 13:22	02/22/19 00:28
Toluene	106	50.00	ppm	70-130	02/21/19 13:22	02/22/19 00:28
Xylenes		50.00	ppm	70-130	02/21/19 13:22	02/22/19 00:28



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