



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

Green Leaf Lab proudly follows TNI 2009
Quality Standards

250/500mg CBD Tincture 190513-CBD-TINC-250/500-01 Date Sampled: 05/14/19 00:00

Date Accepted: 05/14/19

LBA - CBD, LLC

Sample ID: G9E0220

Results at a Glance

Total THC : 0.0550 %

Total CBD : 1.8871 %

Eric Wendt
Chief Science Officer - 5/17/2019



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250/500mg CBD Tincture 190513-CBD-TINC-250/500-01 Date Sampled: 05/14/19 00:00

Date Accepted: 05/14/19

LBA - CBD, LLC

M #:

Sample ID: G9E0220

Matrix: Products

Potency Analysis

Date/Time Extracted: 16-May-19 10:04

Analysis Method/SOP: 215

Date/Time Analyzed: 5/16/2019

Batch Identification:

Cannabinoids (% weight)	mg/g	Cannabinoids Profile
Total THC ((THCA*0.877)+Δ9)	0.550	
Total CBD ((CBDA*0.877)+CBD)	18.871	
THCA <LOQ	<LOQ	
delta 9-THC 0.0550	0.550	
delta 8-THC <LOQ	<LOQ	
THCV <LOQ	<LOQ	
CBD 1.7036	17.036	
CBDA 0.2092	2.092	
CBDV <LOQ	<LOQ	
CBDVA <LOQ	<LOQ	
CBN <LOQ	<LOQ	
CBG 0.0582	0.582	
CBGA <LOQ	<LOQ	
CBC 0.0776	0.776	
CBGA <LOQ	<LOQ	
CBLA <LOQ	<LOQ	
Total Cannabinoids 2.1256	21.256	

delta 9-THC	0.1
CBGA	0.0
CBDA	0.2
CBD	1.7
CBG	0.1
CBC	0.1
Total:	2.1

<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.

Eric Wendt
 Chief Science Officer - 5/17/2019



Quality Control Potency

Batch: 1920043 - 215-Products

Blank(1920043-BLK1)						
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed
THCA	< LOQ	0.0120	%		05/16/19 10:04	05/16/19 20:19
delta 9-THC	< LOQ	0.0120	%		05/16/19 10:04	05/16/19 20:19
delta 8-THC	< LOQ	0.0120	%		05/16/19 10:04	05/16/19 20:19
THCV	< LOQ	0.0120	%		05/16/19 10:04	05/16/19 20:19
CBD	< LOQ	0.0120	%		05/16/19 10:04	05/16/19 20:19
CBDA	< LOQ	0.0120	%		05/16/19 10:04	05/16/19 20:19
CBDV	< LOQ	0.0120	%		05/16/19 10:04	05/16/19 20:19
CBDVA	< LOQ	0.0120	%		05/16/19 10:04	05/16/19 20:19
CBN	< LOQ	0.0120	%		05/16/19 10:04	05/16/19 20:19
CBG	< LOQ	0.0120	%		05/16/19 10:04	05/16/19 20:19
CBGA	< LOQ	0.0120	%		05/16/19 10:04	05/16/19 20:19
CBC	< LOQ	0.0120	%		05/16/19 10:04	05/16/19 20:19
CBCA	< LOQ	0.0120	%		05/16/19 10:04	05/16/19 20:19
CBLA	< LOQ	0.0120	%		05/16/19 10:04	05/16/19 20:19

Reference(1920043-SRM1)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
delta 9-THC	107	0.0120	%	80-120	05/16/19 10:04	05/16/19 20:44
CBD	90.2	0.0120	%	80-120	05/16/19 10:04	05/16/19 20:44

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250/500mg CBD Tincture 190513-CBD-TINC-250/500-01 Date Sampled: 05/14/19 00:00

Date Accepted: 05/14/19

LBA - CBD, LLC

Sample ID: G9E0221-01

Results at a Glance

Pesticides : **PASS**

Residual Solvent Analysis : **PASS**

Eric Wendt
Chief Science Officer - 5/22/2019



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250/500mg CBD Tincture 190513-CBD-TINC-250/500-0 Date Sampled: 05/14/19

Date Accepted: 05/14/19

LBA - CBD, LLC

Results Valid Until: 05/13/20

Sample ID: G9E0221-01

Matrix: Extracts and Concentrates

M #: 1008701

Pesticide Analysis in PPM

Date/Time Extracted: 05/17/19 10:23

Date/Time GC Analyzed: 05/18/19 05:23

Analysis Method/SOP: 202

Date/Time LC Analyzed: 05/18/19 06:45

Batch Identification: 1920061

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	Acaricide
Acetamiprid	< LOQ	0.2	0.01	Neonicotinoid insecticide
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
Fonicamid	< 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 insecticide
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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 Quality Standards

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Date Accepted: 05/14/19

LBA - CBD, LLC

Results Valid Until: 05/13/20

Sample ID: G9E0221-01

Matrix: Extracts and Concentrates

M #: 1008701

Pesticide Analysis in PPM

Date/Time Extracted: 05/17/19 10:23

Date/Time GC Analyzed: 05/18/19 05:23

Analysis Method/SOP: 202

Date/Time LC Analyzed: 05/18/19 06:45

Batch Identification: 1920061

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 insecticide and molluscicide
Thiamethoxam	< LOQ	0.2	0.01	Neonicotinoid insecticide
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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 Chief Science Officer - 5/22/2019

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Quality Standards**250/500mg CBD Tincture 190513-CBD-TINC-250/500-01** Date Sampled: 05/14/19 00:00

Date Accepted: 05/14/19

LBA - CBD, LLC

Sample ID: G9E0221-01

Matrix: Extracts and Concentrates

M #: 1008701

Residual Solvents

Solvent	Results in ppm	LOQ	Action Level	
Acetone	< LOQ	1000	5000	Date/Time Extracted: 05/16/19 11:08 Date/Time Analyzed: 05/17/19 07:46 Analysis Method/SOP: 205 Batch Identification: 1920050
Acetonitrile	< LOQ	50.00	410	
Benzene	< LOQ	0.5000	2	
Butanes	< LOQ	1000	5000 ³	3 - Total butanes should be calculated as sum of n-butanes (CAS# 106-97-8) and iso-butane (CAS# 75-28-5)
2-Butanol	< LOQ	1000	5000	
Cumene	< LOQ	50.00	70	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-dimethylbutane (CAS# 79-29-8)
Cyclohexane	< LOQ	50.00	3880	
Dichloromethane	< LOQ	50.00	600	
1,4-Dioxane	< LOQ	50.00	380	
2-Ethoxyethanol	< LOQ	50.00	160	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)
Ethyl acetate	< LOQ	1000	5000	
Ethyl benzene	< LOQ	50.00	2170	
Ethylene glycol	< LOQ	50.00	620	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)
Ethylene oxide	< LOQ	50.00	50	
Ethyl ether	< LOQ	1000	5000	
Heptane	< LOQ	1000	5000	
Hexanes	< LOQ	50.00	290 ⁴	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)
Isopropyl acetate	< LOQ	1000	5000	
Methanol	< LOQ	100.0	3000	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)
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.

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Date Accepted: 05/14/19

LBA - CBD, LLC

Sample ID: G9E0221-01

Matrix: Extracts and Concentrates

M #: 1008701

Metals Analysis by ICPMS

Date/Time Extracted: 05/20/19 13:09

Analysis Method/SOP: HM-001

Date/Time Analyzed: 05/21/19 11:55

Analyte	Result	Action Level	LOD	LOQ	Units
Arsenic	< LOQ	1.5		0.05	ug/g
Cadmium	< LOQ	0.5		0.05	ug/g
Lead	0.05	0.5		0.05	ug/g
Mercury	< LOQ	3		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, California.

Eric Wendt
Chief Science Officer - 5/22/2019



Quality Control Pesticide Analysis

Batch: 1920061 - 202

Blank(1920061-BLK1)						
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Abamectin	< LOQ	0.08	ppm		05/17/19 10:23	05/17/19 23:49
DDVP (Dichlorvos)	< LOQ	0.01	ppm		05/17/19 10:23	05/17/19 22:47
Acephate	< LOQ	0.01	ppm		05/17/19 10:23	05/17/19 23:49
Acequinocyl	< LOQ	0.08	ppm		05/17/19 10:23	05/17/19 23:49
Acetamiprid	< LOQ	0.01	ppm		05/17/19 10:23	05/17/19 23:49
Aldicarb	< LOQ	0.01	ppm		05/17/19 10:23	05/17/19 23:49
Azoxystrobin	< LOQ	0.01	ppm		05/17/19 10:23	05/17/19 23:49
Bifenazate	< LOQ	0.01	ppm		05/17/19 10:23	05/17/19 23:49
Bifenthrin	< LOQ	0.02	ppm		05/17/19 10:23	05/17/19 22:47
Boscalid	< LOQ	0.01	ppm		05/17/19 10:23	05/17/19 22:47
Carbaryl	< LOQ	0.01	ppm		05/17/19 10:23	05/17/19 23:49
Carbofuran	< LOQ	0.01	ppm		05/17/19 10:23	05/17/19 23:49
Chlorantraniliprole	< LOQ	0.01	ppm		05/17/19 10:23	05/17/19 23:49
Chlorfenapyr	< LOQ	0.2	ppm		05/17/19 10:23	05/17/19 22:47
Chlorpyrifos	< LOQ	0.01	ppm		05/17/19 10:23	05/17/19 23:49
Clofentezine	< LOQ	0.01	ppm		05/17/19 10:23	05/17/19 23:49
Cyfluthrin	< LOQ	0.08	ppm		05/17/19 10:23	05/17/19 23:49
Cypermethrin	< LOQ	0.2	ppm		05/17/19 10:23	05/17/19 22:47
Daminozide	< LOQ	0.03	ppm		05/17/19 10:23	05/17/19 23:49
Diazinon	< LOQ	0.01	ppm		05/17/19 10:23	05/17/19 23:49
Dimethoate	< LOQ	0.01	ppm		05/17/19 10:23	05/17/19 23:49
Ethoprophos	< LOQ	0.01	ppm		05/17/19 10:23	05/17/19 23:49
Etofenprox	< LOQ	0.01	ppm		05/17/19 10:23	05/17/19 23:49
Etoxazole	< LOQ	0.01	ppm		05/17/19 10:23	05/17/19 23:49
Fenoxycarb	< LOQ	0.01	ppm		05/17/19 10:23	05/17/19 23:49
Fenpyroximate	< LOQ	0.01	ppm		05/17/19 10:23	05/17/19 23:49
Fipronil	< LOQ	0.02	ppm		05/17/19 10:23	05/17/19 22:47
Flonicamid	< LOQ	0.01	ppm		05/17/19 10:23	05/17/19 23:49
Fludioxonil	< LOQ	0.01	ppm		05/17/19 10:23	05/17/19 23:49
Hexythiazox	< LOQ	0.01	ppm		05/17/19 10:23	05/17/19 23:49
Imazalil	< LOQ	0.01	ppm		05/17/19 10:23	05/17/19 23:49
Imidacloprid	< LOQ	0.01	ppm		05/17/19 10:23	05/17/19 23:49
Kresoxim-methyl	< LOQ	0.02	ppm		05/17/19 10:23	05/17/19 22:47
Malathion	< LOQ	0.01	ppm		05/17/19 10:23	05/17/19 23:49
Metalaxyl	< LOQ	0.01	ppm		05/17/19 10:23	05/17/19 23:49
Methiocarb	< LOQ	0.01	ppm		05/17/19 10:23	05/17/19 23:49
Methomyl	< LOQ	0.01	ppm		05/17/19 10:23	05/17/19 23:49
Methyl parathion	< LOQ	0.01	ppm		05/17/19 10:23	05/17/19 22:47

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Chief Science Officer - 5/22/2019

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Quality Standards

Quality Control Pesticide Analysis (Continued)

Batch: 1920061 - 202 (Continued)

Blank(1920061-BLK1)						
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed
MGK-264	< LOQ	0.01	ppm		05/17/19 10:23	05/17/19 22:47
Myclobutanil	< LOQ	0.01	ppm		05/17/19 10:23	05/17/19 23:49
Naled	< LOQ	0.01	ppm		05/17/19 10:23	05/17/19 23:49
Oxamyl	< LOQ	0.01	ppm		05/17/19 10:23	05/17/19 23:49
Paclobutrazol	< LOQ	0.01	ppm		05/17/19 10:23	05/17/19 23:49
Permethrins	< LOQ	0.2	ppm		05/17/19 10:23	05/17/19 22:47
Phosmet	< LOQ	0.01	ppm		05/17/19 10:23	05/17/19 23:49
Piperonyl butoxide	< LOQ	0.5	ppm		05/17/19 10:23	05/17/19 23:49
Prallethrin	< LOQ	0.01	ppm		05/17/19 10:23	05/17/19 23:49
Propiconazole	< LOQ	0.2	ppm		05/17/19 10:23	05/17/19 22:47
Propoxur	< LOQ	0.01	ppm		05/17/19 10:23	05/17/19 23:49
Pyrethrins	< LOQ	0.08	ppm		05/17/19 10:23	05/17/19 23:49
Pyridaben	< LOQ	0.01	ppm		05/17/19 10:23	05/17/19 23:49
Spinosad	< LOQ	0.01	ppm		05/17/19 10:23	05/17/19 23:49
Spiromesifen	< LOQ	0.01	ppm		05/17/19 10:23	05/17/19 23:49
Spirotetramat	< LOQ	0.01	ppm		05/17/19 10:23	05/17/19 23:49
Spiroxamine	< LOQ	0.01	ppm		05/17/19 10:23	05/17/19 23:49
Tebuconazole	< LOQ	0.01	ppm		05/17/19 10:23	05/17/19 23:49
Thiacloprid	< LOQ	0.01	ppm		05/17/19 10:23	05/17/19 23:49
Thiamethoxam	< LOQ	0.01	ppm		05/17/19 10:23	05/17/19 23:49
Trifloxystrobin	< LOQ	0.01	ppm		05/17/19 10:23	05/17/19 23:49

LCS(1920061-BS1)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Abamectin	87.5	0.08	ppm	70-130	05/17/19 10:23	05/18/19 00:12
DDVP (Dichlorvos)	89.1	0.01	ppm	70-130	05/17/19 10:23	05/17/19 23:09
Acephate	95.6	0.01	ppm	70-130	05/17/19 10:23	05/18/19 00:12
Acequinocyl	5.26	0.08	ppm	5.57-33.8	05/17/19 10:23	05/18/19 00:12
Acetamiprid	102	0.01	ppm	70-130	05/17/19 10:23	05/18/19 00:12
Aldicarb	105	0.01	ppm	70-130	05/17/19 10:23	05/18/19 00:12
Azoxystrobin	100	0.01	ppm	70-130	05/17/19 10:23	05/18/19 00:12
Bifenazate	91.1	0.01	ppm	70-130	05/17/19 10:23	05/18/19 00:12
Bifenthrin	102	0.02	ppm	70-130	05/17/19 10:23	05/17/19 23:09
Boscalid	91.1	0.01	ppm	70-130	05/17/19 10:23	05/17/19 23:09
Carbaryl	103	0.01	ppm	70-130	05/17/19 10:23	05/18/19 00:12
Carbofuran	108	0.01	ppm	70-130	05/17/19 10:23	05/18/19 00:12
Chlorantraniliprole	74.3	0.01	ppm	70-130	05/17/19 10:23	05/18/19 00:12
Chlorfenapyr	123	0.2	ppm	70-130	05/17/19 10:23	05/17/19 23:09
Chlorpyrifos	106	0.01	ppm	70-130	05/17/19 10:23	05/18/19 00:12

Eric Wendt
Chief Science Officer - 5/22/2019



Quality Control

Pesticide Analysis (Continued)

Batch: 1920061 - 202 (Continued)

LCS(1920061-BS1)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Clofentezine	21.8	0.01	ppm	70-130	05/17/19 10:23	05/18/19 00:12
Cyfluthrin	93.2	0.08	ppm	70-130	05/17/19 10:23	05/18/19 00:12
Cypermethrin	112	0.2	ppm	70-130	05/17/19 10:23	05/17/19 23:09
Daminozide	24.5	0.03	ppm	0-100	05/17/19 10:23	05/18/19 00:12
Diazinon	94.1	0.01	ppm	70-130	05/17/19 10:23	05/18/19 00:12
Dimethoate	102	0.01	ppm	70-130	05/17/19 10:23	05/18/19 00:12
Ethoprophos	102	0.01	ppm	70-130	05/17/19 10:23	05/18/19 00:12
Etofenprox	92.1	0.01	ppm	70-130	05/17/19 10:23	05/18/19 00:12
Etoxazole	97.4	0.01	ppm	70-130	05/17/19 10:23	05/18/19 00:12
Fenoxycarb	101	0.01	ppm	70-130	05/17/19 10:23	05/18/19 00:12
Fenpyroximate	67.3	0.01	ppm	70-130	05/17/19 10:23	05/18/19 00:12
Fipronil	106	0.02	ppm	70-130	05/17/19 10:23	05/17/19 23:09
Flonicamid	104	0.01	ppm	70-130	05/17/19 10:23	05/18/19 00:12
Fludioxonil	99.4	0.01	ppm	70-130	05/17/19 10:23	05/18/19 00:12
Hexythiazox	91.9	0.01	ppm	70-130	05/17/19 10:23	05/18/19 00:12
Imazalil	97.2	0.01	ppm	57.9-96.4	05/17/19 10:23	05/18/19 00:12
Imidacloprid	108	0.01	ppm	70-130	05/17/19 10:23	05/18/19 00:12
Kresoxim-methyl	117	0.02	ppm	70-130	05/17/19 10:23	05/17/19 23:09
Malathion	101	0.01	ppm	70-130	05/17/19 10:23	05/18/19 00:12
Metalaxyl	101	0.01	ppm	70-130	05/17/19 10:23	05/18/19 00:12
Methiocarb	101	0.01	ppm	70-130	05/17/19 10:23	05/18/19 00:12
Methomyl	103	0.01	ppm	70-130	05/17/19 10:23	05/18/19 00:12
Methyl parathion	102	0.01	ppm	70-130	05/17/19 10:23	05/17/19 23:09
MGK-264	99.2	0.01	ppm	70-130	05/17/19 10:23	05/17/19 23:09
Myclobutanil	97.2	0.01	ppm	70-130	05/17/19 10:23	05/18/19 00:12
Naled	66.0	0.01	ppm	70-130	05/17/19 10:23	05/18/19 00:12
Oxamyl	101	0.01	ppm	70-130	05/17/19 10:23	05/18/19 00:12
Paclobutrazol	99.9	0.01	ppm	70-130	05/17/19 10:23	05/18/19 00:12
Permethrins	94.7	0.2	ppm	70-130	05/17/19 10:23	05/17/19 23:09
Phosmet	86.1	0.01	ppm	70-130	05/17/19 10:23	05/18/19 00:12
Piperonyl butoxide	95.8	0.5	ppm	70-130	05/17/19 10:23	05/18/19 00:12
Prallethrin	95.7	0.01	ppm	70-130	05/17/19 10:23	05/18/19 00:12
Propiconazole	101	0.2	ppm	70-130	05/17/19 10:23	05/17/19 23:09
Propoxur	107	0.01	ppm	70-130	05/17/19 10:23	05/18/19 00:12
Pyrethrins	15.1	0.08	ppm	70-130	05/17/19 10:23	05/18/19 00:12
Pyridaben	101	0.01	ppm	70-130	05/17/19 10:23	05/18/19 00:12
Spinosad	87.5	0.01	ppm	51-86	05/17/19 10:23	05/18/19 00:12
Spiromesifen	100	0.01	ppm	70-130	05/17/19 10:23	05/18/19 00:12

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Quality Control
Pesticide Analysis (Continued)

Batch: 1920061 - 202 (Continued)

LCS(1920061-BS1)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Spirotetramat	92.8	0.01	ppm	70-130	05/17/19 10:23	05/18/19 00:12
Spiroxamine	76.4	0.01	ppm	70-130	05/17/19 10:23	05/18/19 00:12
Tebuconazole	89.8	0.01	ppm	70-130	05/17/19 10:23	05/18/19 00:12
Thiacloprid	104	0.01	ppm	70-130	05/17/19 10:23	05/18/19 00:12
Thiamethoxam	107	0.01	ppm	70-130	05/17/19 10:23	05/18/19 00:12
Trifloxystrobin	101	0.01	ppm	70-130	05/17/19 10:23	05/18/19 00:12

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Quality Control Solvent Analysis

Batch: 1920050 - 205

Blank(1920050-BLK1)						
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Acetone	< LOQ	1000	ppm		05/16/19 11:08	05/20/19 09:53
Acetonitrile	< LOQ	50.00	ppm		05/16/19 11:08	05/20/19 09:53
Benzene	< LOQ	0.5000	ppm		05/16/19 11:08	05/20/19 09:53
Butanes	< LOQ	1000	ppm		05/16/19 11:08	05/20/19 09:53
2-Butanol	< LOQ	1000	ppm		05/16/19 11:08	05/20/19 09:53
Cumene	< LOQ	50.00	ppm		05/16/19 11:08	05/20/19 09:53
Cyclohexane	< LOQ	50.00	ppm		05/16/19 11:08	05/20/19 09:53
Dichloromethane	< LOQ	50.00	ppm		05/16/19 11:08	05/20/19 09:53
1,4-Dioxane	< LOQ	50.00	ppm		05/16/19 11:08	05/20/19 09:53
2-Ethoxyethanol	< LOQ	50.00	ppm		05/16/19 11:08	05/20/19 09:53
Ethyl acetate	< LOQ	1000	ppm		05/16/19 11:08	05/20/19 09:53
Ethyl benzene	< LOQ	50.00	ppm		05/16/19 11:08	05/20/19 09:53
Ethylene glycol	< LOQ	50.00	ppm		05/16/19 11:08	05/20/19 09:53
Ethylene oxide	< LOQ	50.00	ppm		05/16/19 11:08	05/20/19 09:53
Ethyl ether	< LOQ	1000	ppm		05/16/19 11:08	05/20/19 09:53
Heptane	< LOQ	1000	ppm		05/16/19 11:08	05/20/19 09:53
Hexanes	< LOQ	50.00	ppm		05/16/19 11:08	05/20/19 09:53
Isopropyl acetate	< LOQ	1000	ppm		05/16/19 11:08	05/20/19 09:53
Methanol	< LOQ	100.0	ppm		05/16/19 11:08	05/20/19 09:53
Pentanes	< LOQ	1000	ppm		05/16/19 11:08	05/20/19 09:53
Propane	< LOQ	1000	ppm		05/16/19 11:08	05/20/19 09:53
2-Propanol (IPA)	< LOQ	1000	ppm		05/16/19 11:08	05/20/19 09:53
Tetrahydrofuran	< LOQ	50.00	ppm		05/16/19 11:08	05/20/19 09:53
Toluene	< LOQ	50.00	ppm		05/16/19 11:08	05/20/19 09:53
Xylenes	< LOQ	50.00	ppm		05/16/19 11:08	05/20/19 09:53

LCS(1920050-BS1)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Acetone	94.4	1000	ppm	70-130	05/16/19 11:08	05/17/19 04:47
Acetonitrile	109	50.00	ppm	70-130	05/16/19 11:08	05/17/19 04:47
Benzene	91.3	0.5000	ppm	70-130	05/16/19 11:08	05/17/19 04:47
n-Butane	113	1000	ppm	70-130	05/16/19 11:08	05/17/19 04:47
Butanes	117	1000	ppm	70-130	05/16/19 11:08	05/17/19 04:47
2-Butanol	94.6	1000	ppm	70-130	05/16/19 11:08	05/17/19 04:47
Cumene	76.7	50.00	ppm	70-130	05/16/19 11:08	05/17/19 04:47
Cyclohexane	87.2	50.00	ppm	70-130	05/16/19 11:08	05/17/19 04:47
Dichloromethane	102	50.00	ppm	70-130	05/16/19 11:08	05/17/19 04:47
1,4-Dioxane	88.2	50.00	ppm	70-130	05/16/19 11:08	05/17/19 04:47
2-Ethoxyethanol	84.5	50.00	ppm	70-130	05/16/19 11:08	05/17/19 04:47

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Quality Control

Solvent Analysis (Continued)

Batch: 1920050 - 205 (Continued)

LCS(1920050-BS1)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Ethyl acetate	95.8	1000	ppm	70-130	05/16/19 11:08	05/17/19 04:47
Ethyl benzene	83.6	50.00	ppm	70-130	05/16/19 11:08	05/17/19 04:47
Ethylene glycol	97.3	50.00	ppm	70-130	05/16/19 11:08	05/17/19 04:47
Ethylene oxide	98.8	50.00	ppm	70-130	05/16/19 11:08	05/17/19 04:47
Ethyl ether	96.1	1000	ppm	70-130	05/16/19 11:08	05/17/19 04:47
Heptane	102	1000	ppm	70-130	05/16/19 11:08	05/17/19 04:47
n-Hexane	95.0	50.00	ppm	70-130	05/16/19 11:08	05/17/19 04:47
Hexanes	93.1	50.00	ppm	70-130	05/16/19 11:08	05/17/19 04:47
iso-Butane	120	1000	ppm	70-130	05/16/19 11:08	05/17/19 04:47
Isopropyl acetate	106	1000	ppm	70-130	05/16/19 11:08	05/17/19 04:47
iso-Pentane	107	1000	ppm	70-130	05/16/19 11:08	05/17/19 04:47
Methanol	94.4	100.0	ppm	70-130	05/16/19 11:08	05/17/19 04:47
2-Methylpentane	91.8	50.00	ppm	70-130	05/16/19 11:08	05/17/19 04:47
3-Methylpentane	95.0	50.00	ppm	70-130	05/16/19 11:08	05/17/19 04:47
neo-Pentane	106	1000	ppm	70-130	05/16/19 11:08	05/17/19 04:47
n-Pentane	100	1000	ppm	70-130	05/16/19 11:08	05/17/19 04:47
Pentanes	105	1000	ppm	70-130	05/16/19 11:08	05/17/19 04:47
Propane	131	1000	ppm	70-130	05/16/19 11:08	05/17/19 04:47
2-Propanol (IPA)	100	1000	ppm	70-130	05/16/19 11:08	05/17/19 04:47
Tetrahydrofuran	101	50.00	ppm	70-130	05/16/19 11:08	05/17/19 04:47
Toluene	85.2	50.00	ppm	70-130	05/16/19 11:08	05/17/19 04:47
Xylenes MP		50.00	ppm	70-130	05/16/19 11:08	05/17/19 04:47
Xylenes O		50.00	ppm	70-130	05/16/19 11:08	05/17/19 04:47

Quality Control

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Quality Control Metals Analysis

Batch: 1921002 - Metals

Blank(1921002-BLK1)						
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Cadmium	< LOQ	0.05	ug/g		05/20/19 13:09	05/21/19 11:49
Lead	< LOQ	0.05	ug/g		05/20/19 13:09	05/21/19 11:49
Arsenic	< LOQ	0.05	ug/g		05/20/19 13:09	05/21/19 11:49
Mercury	< LOQ	0.01	ug/g		05/20/19 13:09	05/21/19 11:49

LCS(1921002-BS1)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Cadmium	91.7	0.05	ug/g	70-130	05/20/19 13:09	05/21/19 11:51
Lead	95.5	0.05	ug/g	70-130	05/20/19 13:09	05/21/19 11:51
Arsenic	92.7	0.05	ug/g	70-130	05/20/19 13:09	05/21/19 11:51
Mercury	96.5	0.01	ug/g	70-130	05/20/19 13:09	05/21/19 11:51

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