

01193kg

Sample ID: 1902ENC0135.0402
Strain: 01193kg
Matrix: Concentrates & Extracts
Type: Crystalline Solid
Sample Size: 0 g; Batch: 0 units

Collected:
Received: 02/15/2019
Completed: 02/19/2019
Batch#:



ND	99.700%	99.700%
Total THC	Total CBD	Total Cannabinoids

Summary

Batch
Cannabinoids
Pesticides

Pass
Complete
Pass

Cannabinoids

Analyte	LOD	LOQ	Mass	Mass
	%	%	%	mg/g
Complete				
Date Tested: 02/15/2019				
SOP: EL-CANNABINOIDS				
LC-DAD				
THCa	0.099	0.300	ND	ND
Δ9-THC	0.057	0.173	ND	ND
Δ8-THC	0.101	0.305	ND	ND
THCV	0.069	0.208	ND	ND
CBDa	0.084	0.254	<LOQ	<LOQ
CBD	0.023	0.069	99.700	997.00
CBN	0.023	0.068	ND	ND
CBGa	0.084	0.256	ND	ND
CBG	0.032	0.098	ND	ND
CBC	0.049	0.147	ND	ND
Total			99.700	997.00

Total THC = THCa * 0.877 + Δ9-THC; Total CBD = CBDa * 0.877 + CBD; Total Cannabinoids = Total THC + Total CBD
LOQ = Limit of Quantitation; LOD = Limit of Detection; NT = Not Tested; ND = Not Detected. The reported result is based on a sample weight with the applicable moisture content for that sample. Foreign Material SOP: EL-FOREIGN; Moisture and Water Activity SOP: EL-WATER

Terpenes

SOP: EL-TERPENES
GC-MS

Not Tested

Analyte	LOQ	Mass	Mass	Analyte	LOQ	Mass	Mass
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Date Tested:



Kevin Nolan
Kevin Nolan
Lab Supervisor
02/19/2019

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www.confidentcannabis.com



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Type: Crystalline Solid
Sample Size: 0 g; Batch: 0 units

Collected:
Received: 02/15/2019
Completed: 02/19/2019
Batch#:

Pesticides

SOP: EL-PesticidesLCMS
LC-MS

Pass

Analyte	LOD	LOQ	Limit	Mass	Status	Analyte	LOD	LOQ	Limit	Mass	Status
	µg/g	µg/g	µg/g	µg/g			µg/g	µg/g	µg/g	µg/g	
Abamectin	0.031	0.094	0.100	ND	Pass	Fludioxonil	0.015	0.045	0.100	ND	Pass
Acephate	0.009	0.028	0.100	ND	Pass	Hexythiazox	0.005	0.016	0.100	ND	Pass
Acequinocyl	0.029	0.089	0.100	ND	Pass	Imazalil	0.020	0.040	0.020	ND	Pass
Acetamiprid	0.016	0.050	0.100	ND	Pass	Imidacloprid	0.014	0.046	5.000	ND	Pass
Aldicarb	0.020	0.040	0.020	ND	Pass	Kresoxim Methyl	0.011	0.034	0.100	ND	Pass
Azoxystrobin	0.008	0.026	0.100	ND	Pass	Malathion	0.011	0.034	0.500	ND	Pass
Bifenazate	0.011	0.034	0.100	ND	Pass	Metalaxyl	0.011	0.032	2.000	ND	Pass
Bifenthrin	0.021	0.065	3.000	ND	Pass	Methiocarb	0.010	0.040	0.010	ND	Pass
Boscalid	0.010	0.030	0.100	ND	Pass	Methomyl	0.013	0.040	1.000	ND	Pass
Captan	0.011	0.032	0.700	ND	Pass	Methyl Parathion	0.023	0.070	0.023	ND	Pass
Carbaryl	0.005	0.016	0.500	ND	Pass	Mevinphos	0.020	0.040	0.020	ND	Pass
Carbofuran	0.010	0.040	0.010	ND	Pass	Myclobutanil	0.007	0.021	0.100	ND	Pass
Chlorantraniliprole	0.012	0.035	10.000	ND	Pass	Naled	0.009	0.026	0.100	ND	Pass
Chlordane	0.050	0.100	0.050	ND	Pass	Oxamyl	0.005	0.014	0.500	ND	Pass
Chlorfenapyr	0.030	0.090	0.030	ND	Pass	Paclbutrazol	0.040	0.100	0.040	ND	Pass
Chlorpyrifos	0.020	0.040	0.020	ND	Pass	Pentachloronitrobenzene	0.050	0.100	0.100	ND	Pass
Clofentezine	0.010	0.030	0.100	ND	Pass	Permethrin	0.010	0.030	0.500	ND	Pass
Coumaphos	0.020	0.040	0.020	ND	Pass	Phosmet	0.006	0.017	0.100	ND	Pass
Cyfluthrin	0.010	0.030	2.000	ND	Pass	Piperonyl Butoxide	0.006	0.019	3.000	ND	Pass
Cypermethrin	0.009	0.028	1.000	ND	Pass	Prallethrin	0.030	0.089	0.100	ND	Pass
Daminozide	0.020	0.040	0.020	ND	Pass	Propiconazole	0.005	0.016	0.100	ND	Pass
DDVP	0.020	0.040	0.020	ND	Pass	Propoxur	0.010	0.040	0.010	ND	Pass
Diazinon	0.007	0.021	0.100	ND	Pass	Pyrethrins	0.008	0.025	0.500	ND	Pass
Dimethoate	0.010	0.040	0.010	ND	Pass	Pyridaben	0.013	0.039	0.100	ND	Pass
Dimethomorph	0.008	0.027	2.000	ND	Pass	Spinetoram	0.010	0.030	0.100	ND	Pass
Ethoprofos	0.010	0.040	0.010	ND	Pass	Spinosad	0.006	0.018	0.100	ND	Pass
Etofenprox	0.020	0.040	0.020	ND	Pass	Spiromesifen	0.019	0.058	0.100	ND	Pass
Etoxazole	0.006	0.018	0.100	ND	Pass	Spirotetramat	0.011	0.035	0.100	ND	Pass
Fenhexamid	0.016	0.048	0.100	ND	Pass	Spiroxamine	0.020	0.040	0.020	ND	Pass
Fenoxycarb	0.010	0.040	0.010	ND	Pass	Tebuconazole	0.009	0.028	0.100	ND	Pass
Fenpyroximate	0.009	0.026	0.100	ND	Pass	Thiacloprid	0.020	0.040	0.020	ND	Pass
Fipronil	0.021	0.064	0.021	ND	Pass	Thiamethoxam	0.009	0.028	5.000	ND	Pass
Fonicamid	0.013	0.040	0.100	ND	Pass	Trifloxystrobin	0.005	0.016	0.100	ND	Pass

Date Tested: 02/15/2019
LOQ = Limit of Quantitation; LOD = Limit of Detection; NT = Not Tested; ND = Not Detected.



Kevin Nolan
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Lab Supervisor
02/19/2019

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Quality Standards

T Free Dist Duplicate

Date Sampled: 02/18/19 00:00

Date Accepted: 02/18/19

Sample ID: G9B0266-02

Results at a Glance

Total CBD : 87.64 %

Pesticides : PASS

Residual Solvent Analysis : PASS

Eric Wendt
Chief Science Officer - 2/22/2019



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T Free Dist Duplicate

Date Sampled: 02/18/19 00:00

Date Accepted: 02/18/19

Sample ID: G9B0266-02

Matrix: Extracts and Concentrates

M #: 1005599

Potency Analysis

Date/Time Extracted: 02/20/19 10:19

Analysis Method/SOP: 215

Date/Time Analyzed: 02/21/19 11:33

Batch Identification: 1908034

Cannabinoids (% weight)	Decarboxylated* %	Cannabinoids Profile
Total THC ((THCA*0.877)+Δ9)	< LOQ	<p>A 3D pie chart illustrating the cannabinoid profile. The largest slice is CBD at 87.6%, followed by CBC at 3.0%, CBN at 1.4%, and CBG at 1.2%. The total percentage shown is 93.3%.</p>
Total CBD ((CBDA*0.877)+CBD)	87.64	
THCA	< LOQ	
delta 9-THC	< LOQ	
delta 8-THC	< LOQ	
THCV	< LOQ	
CBD	87.64	
CBDA	< LOQ	
CBDV	< LOQ	
CBDVA	< LOQ	
CBN	1.426	
CBG	1.215	
CBGA	< LOQ	
CBC	2.979	
CBCA	< LOQ	
CBLA	< LOQ	
Total Cannabinoids	93.26	

<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 Dist Duplicate

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

Sample ID: G9B0266-02 Matrix: Extracts and Concentrates M #: 1005599

Pesticide Analysis in PPM

Date/Time Extracted: 02/20/19 10:15

Date/Time GC Analyzed: 02/21/19 03:11

Analysis Method/SOP: 202

Date/Time LC Analyzed: 02/21/19 13:56

Batch Identification: 1908032

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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 Chief Science Officer - 2/22/2019



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T Free Dist Duplicate

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

Sample ID: G9B0266-02

Matrix: Extracts and Concentrates

M #: 1005599

Pesticide Analysis in PPM

Date/Time Extracted: 02/20/19 10:15

Date/Time GC Analyzed: 02/21/19 03:11

Analysis Method/SOP: 202

Date/Time LC Analyzed: 02/21/19 13:56

Batch Identification: 1908032

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 - 2/22/2019

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T Free Dist Duplicate

Date Sampled: 02/18/19 00:00

Date Accepted: 02/18/19

Sample ID: G9B0266-02

Matrix: Extracts and Concentrates

M #: 1005599

Residual Solvents

Solvent	Results in ppm	LOQ	Action Level	
Acetone	< LOQ	1000	5000	Date/Time Extracted: 02/21/19 13:22
Acetonitrile	< LOQ	50.00	410	Date/Time Analyzed: 02/22/19 03:28
Benzene	< LOQ	0.5000	2	Analysis Method/SOP: 205
Butanes	< LOQ	1000	5000 ³	Batch Identification: 1908051
2-Butanol	< LOQ	1000	5000	
Cumene	< LOQ	50.00	70	
Cyclohexane	< LOQ	50.00	3880	
Dichloromethane	< LOQ	50.00	600	3 - Total butanes should be calculated as sum of n-butanes (CAS# 106-97-8) and iso-butane (CAS# 75-28-5)
1,4-Dioxane	< LOQ	50.00	380	
2-Ethoxyethanol	< LOQ	50.00	160	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)
Ethyl acetate	< LOQ	1000	5000	
Ethyl benzene	< LOQ	50.00	2170	
Ethylene glycol	< LOQ	50.00	620	
Ethylene oxide	< LOQ	50.00	50	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 ether	< LOQ	1000	5000	
Heptane	< LOQ	1000	5000	
Hexanes	< LOQ	50.00	290 ⁴	
Isopropyl acetate	< LOQ	1000	5000	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)
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	

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Quality Control 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

Eric Wendt
Chief Science Officer - 2/22/2019



Quality Control 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

Eric Wendt
Chief Science Officer - 2/22/2019



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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Chief Science Officer - 2/22/2019



Quality Control

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

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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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Quality Control 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

Eric Wendt
Chief Science Officer - 2/22/2019



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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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

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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

Analysis Method/SOP: 215

Date/Time Analyzed: 02/21/19 11:22

Batch Identification: 1908034

Cannabinoids (% weight)	Decarboxylated* %	Cannabinoids Profile
Total THC ((THCA*0.877)+Δ9)	< LOQ	<p>A 3D pie chart illustrating the cannabinoid profile. The largest slice is CBD at 86.9%, followed by CBC at 3.1%, CBN at 1.4%, and CBG at 1.2%. The total percentage shown is 92.7%.</p>
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	

<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

Date/Time GC Analyzed: 02/21/19 02:49

Analysis Method/SOP: 202

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

Batch Identification: 1908032

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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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

Date/Time GC Analyzed: 02/21/19 02:49

Analysis Method/SOP: 202

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

Batch Identification: 1908032

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 - 2/28/2019

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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

Residual Solvents

Solvent	Results in ppm	LOQ	Action Level	
Acetone	< LOQ	1000	5000	Date/Time Extracted: 02/21/19 13:22 Date/Time Analyzed: 02/22/19 02:52 Analysis Method/SOP: 205 Batch Identification: 1908051
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-butanenes (CAS# 106-97-8) and iso-butane (CAS# 75-28-5)
2-Butanol	< LOQ	1000	5000	
Cumene	< LOQ	50.00	70	
Cyclohexane	< LOQ	50.00	3880	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)
Dichloromethane	< LOQ	50.00	600	
1,4-Dioxane	< LOQ	50.00	380	
2-Ethoxyethanol	< LOQ	50.00	160	
Ethyl acetate	< LOQ	1000	5000	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 benzene	< LOQ	50.00	2170	
Ethylene glycol	< LOQ	50.00	620	
Ethylene oxide	< LOQ	50.00	50	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)
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.

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Quality Control 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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Quality Control 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

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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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Quality Control 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

Eric Wendt
Chief Science Officer - 2/28/2019



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

Eric Wendt
Chief Science Officer - 2/28/2019