



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

Green Leaf Lab proudly follows TNI 2009
Quality Standards

Blueberry Pie

OM Extracts

Sample ID: G8A0013-01

Date Sampled: 01/03/18 00:00

Date Accepted: 01/03/18

Results Valid Until: 01/03/19

Results at a Glance

Pesticides : **PASS**

Total THC : **59.41 %**

Total CBD : **2.807 %**

Residual Solvent Analysis : **PASS**

Eric Wendt
Chief Science Officer - 1/9/2018



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Blueberry Pie

OM Extracts

Sample ID: G8A0013-01

Matrix: Extracts and Concentrates

Test RFID: 1A4010300014ADD000000016

Source RFID: 1A4010300014ADD000000015

Date Sampled: 01/03/18 00:00

Date Accepted: 01/03/18

Results Valid Until: 01/03/19

Potency Analysis

Date/Time Extracted: 01/05/18 10:08

Analysis Method/SOP: 215

Date/Time Analyzed: 01/08/18 14:56

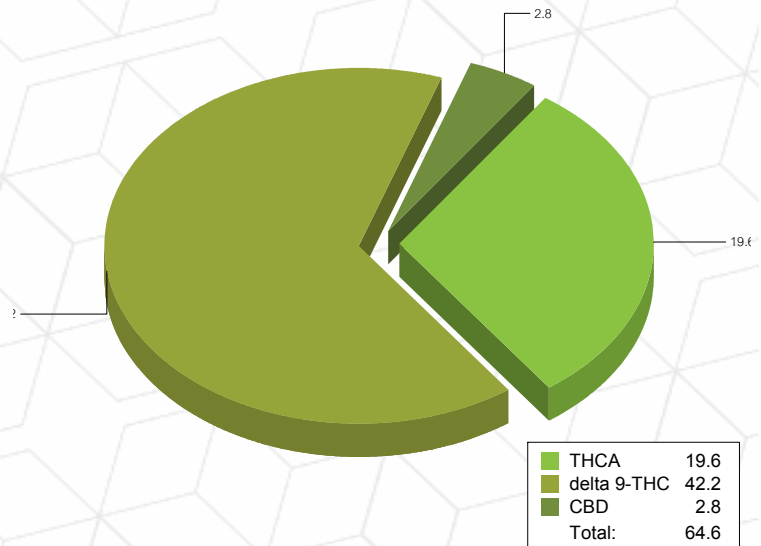
Batch Identification: 1801027

Cannabinoids (% weight)

Decarboxylated* %

Cannabinoids Profile

Total THC ((THCA*0.877)+Δ9)	59.41
Total CBD ((CBDA*0.877)+CBD)	2.807
THCA	19.60
delta 9-THC	42.22
delta 8-THC	< LOQ
THCV	< LOQ
CBGA	< LOQ
CBDA	< LOQ
CBD	2.807
CBDV	< LOQ
CBN	< LOQ
CBG	< LOQ
CBC	< LOQ
Total Cannabinoids	64.63



<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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Test RFID: 1A4010300014ADD000000016

Source RFID: 1A4010300014ADD000000015

Date Sampled: 01/03/18 00:00

Date Accepted: 01/03/18

Results Valid Until: 01/03/19

Terpene Analysis

Date/Time Extracted: 01/05/18 10:08

Analysis Method/SOP: 204

Date/Time Analyzed: 01/06/18 06:10

Monoterpenes	Results in %	Monoterpenes	Results in %
Camphene	< LOQ	Camphor	< LOQ
3-Carene	< LOQ	alpha-Cedrene	< LOQ
Cedrol	< LOQ	Endo-fenchyl alcohol	0.02466
Eucalyptol	0.03651	Fenchone	< LOQ
Geraniol	< LOQ	Geranyl acetate	< LOQ
Hexahydrothymol	< LOQ	Isoborneol	< LOQ
Isopulegol	< LOQ	Limonene	< LOQ
Linalool	0.1710	p-Mentha-1,5-diene	< LOQ
beta-Myrcene	0.06943	Ocimene	< LOQ
alpha-Pinene	< LOQ	beta-Pinene	< LOQ
Pulegone	< LOQ	Sabinene	< LOQ
Sabinene hydrate	< LOQ	gamma-Terpinene	< LOQ
alpha-Terpinene	< LOQ	Terpineol	0.06457
Terpinolene	< LOQ	Nerol	< LOQ
Borneol	< LOQ		
Sesquiterpenes	Results in %	Sesquiterpenes	Results in %
alpha-Bisabolol	0.3237	beta-Caryophyllene	2.616
Caryophyllene Oxide	0.1513	Guaiol	0.05078
alpha-Humulene	0.7173	Nerolidol	0.09188
Valencene	< LOQ		
Total Terpenes	4.317 %		

About your terpene profile

Terpenes are aromatic molecules found in plant resins. They are not only responsible for the many unique smells of Cannabis, but they accentuate the holistic effect of cannabinoids as well. Terpene profiles can be utilized to quantify strong flavor, identify different strains and achieve therapeutic benefits.

Green Leaf Lab's terpene analysis quantifies the 36 most common terpenes found in Cannabis sativa.

Monoterpenes:

All of the monoterpenes are very similar in chemical structure, containing 10 carbons and 6 hydrogens. Although, they are similar, the varying arrangements produce distinct aromas. Changes such as oxidation and rearrangement produce monoterpenoids which will have a different chemical formula.

Monoterpenes are more volatile than sesquiterpenes; the aromas tend to be stronger and they are more prone to being lost by heating and oxidation. Myrcene and Limonene are examples of an acyclic and cyclic monoterpene, respectively. They both share a basic structure containing a backbone of 10 carbon atoms, however arranged uniquely.

Sesquiterpenes:

The sesquiterpenes are a more complex class of terpenes. They are also generally aromatic, but are also heavier and less volatile. Thus, they often remain after some of the more volatile monoterpenes have broken down under heat or oxidation.

<LOQ - Results below the Limit of Quantitation - Compound not detected Terpene Analysis is not ORELAP Accredited.

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 Chief Science Officer - 1/9/2018



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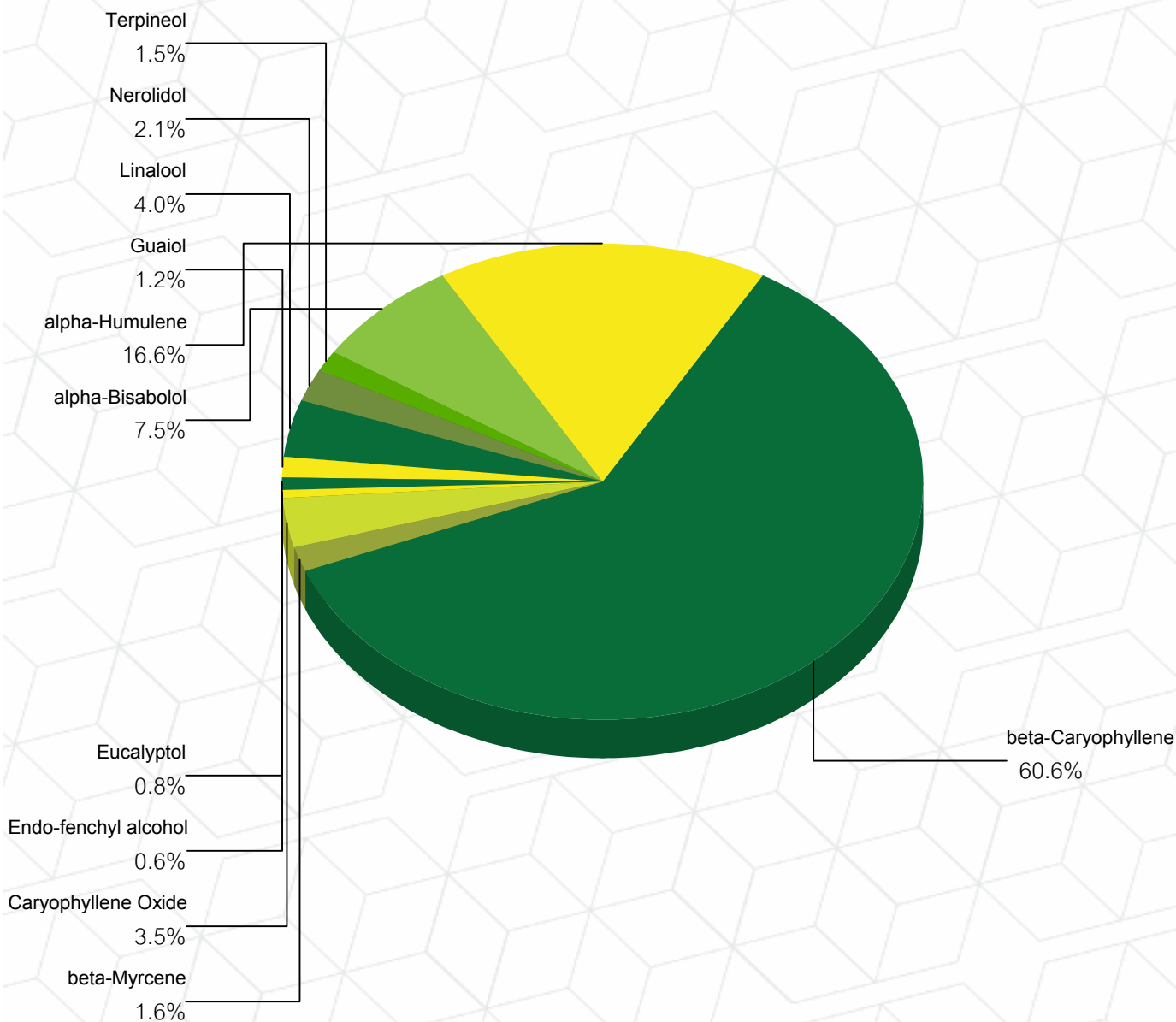
Source RFID: 1A4010300014ADD000000015

Date Sampled: 01/03/18 00:00

Date Accepted: 01/03/18

Results Valid Until: 01/03/19

Terpene Profile



Percentage of Total Terpenes Identified

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Results Valid Until: 01/03/19

OM Extracts

Sample ID: G8A0013-01

Matrix: Extracts and Concentrates

Test RFID: 1A4010300014ADD000000016

Source RFID: 1A4010300014ADD000000015

Pesticide Analysis in PPM

Date/Time Extracted: 01/04/18 15:57

Date/Time GC Analyzed: 01/05/18 18:42

Analysis Method/SOP: 203

Date/Time LC Analyzed: 01/05/18 20:47

Batch Identification: 1801025

Analyte	Result	Action Level	LOQ	Type
Abamectin	< LOQ	0.5	0.1	Insecticide and anthelmintic
Acephate	< LOQ	0.4	0.1	Organophosphate insecticide
Acequinocyl	< LOQ	2	0.1	Acaricide
Acetamiprid	< LOQ	0.2	0.1	Neonicotinoid insecticide
Aldicarb	< LOQ	0.4	0.1	Carbamate insecticide
Azoxystrobin	< LOQ	0.2	0.1	QoI fungicide
Bifenazate	< LOQ	0.2	0.1	Insecticide and miticide
Bifenthrin	< LOQ	0.2	0.1	Pyrethroid insecticide and acaricide
Boscalid	< LOQ	0.4	0.1	Carboxamide fungicide
Carbaryl	< LOQ	0.2	0.1	Carbamate insecticide
Carbofuran	< LOQ	0.2	0.1	Carbamate insecticide
Chlorantraniliprole	< LOQ	0.2	0.1	Anthranilic diamide insecticide
Chlorfenapyr	< LOQ	1	0.2	Pyrazole insecticide, acaricide and miticide
Chlorpyrifos	< LOQ	0.2	0.2	Organophosphate insecticide
Clofentezine	< LOQ	0.2	0.1	Ovicidal tetrazine acaricide
Cyfluthrin	< LOQ	1	0.2	Pyrethroid insecticide
Cypermethrin	< LOQ	1	0.2	Pyrethroid insecticide
Daminozide	< LOQ	1	0.1	Plant growth regulator
DDVP (Dichlorvos)	< LOQ	1	0.2	Organophosphate insecticide
Diazinon	< LOQ	0.2	0.1	Organophosphate insecticide
Dimethoate	< LOQ	0.2	0.1	Organophosphate insecticide
Ethoprophos	< LOQ	0.2	0.1	Organophosphate insecticide, nematocide
Etofenprox	< LOQ	0.4	0.1	Pyrethroid insecticide
Etoxazole	< LOQ	0.2	0.1	Diphenyl oxazoline acaricide
Fenoxycarb	< LOQ	0.2	0.1	Carbamate insecticide
Fenpyroximate	< LOQ	0.4	0.1	Pyrazolium insecticide and acaricide
Fipronil	< LOQ	0.4	0.2	Pyrazole insecticide
Flonicamid	< LOQ	1	0.1	Pyridinecarboxamide insecticide
Fludioxonil	< LOQ	0.4	0.2	Phenylpyrrole fungicide
Hexythiazox	< LOQ	1	0.1	Carboxamide acaricide
Imazalil	< LOQ	0.2	0.1	Azole fungicide
Imidacloprid	< LOQ	0.4	0.1	Neonicotinoid insecticide
Kresoxim-methyl	< LOQ	0.4	0.2	Strobilurin fungicide and bactericide
Malathion	< LOQ	0.2	0.1	Organophosphate insecticide and acaricide
Metalaxyl	< LOQ	0.2	0.1	Phenylamide fungicide

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OM Extracts

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Test RFID: 1A4010300014ADD000000016

Source RFID: 1A4010300014ADD000000015

Pesticide Analysis in PPM

Date/Time Extracted: 01/04/18 15:57

Date/Time GC Analyzed: 01/05/18 18:42

Analysis Method/SOP: 203

Date/Time LC Analyzed: 01/05/18 20:47

Batch Identification: 1801025

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

Test RFID: 1A4010300014ADD000000016

Source RFID: 1A4010300014ADD000000015

Date Sampled: 01/03/18 00:00

Date Accepted: 01/03/18

Results Valid Until: 01/03/19

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	
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	

Date/Time Extracted: 01/04/18 13:14

Date/Time Analyzed: 01/04/18 21:47

Analysis Method/SOP: 205

Batch Identification: 1801022

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-dimethylbutane (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)

<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: 1801027 - 215-Concentrates

Blank(1801027-BLK1)						
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed
THCA	< LOQ	1.200	%		01/05/18 10:08	01/08/18 14:10
delta 9-THC	< LOQ	1.200	%		01/05/18 10:08	01/08/18 14:10
delta 8-THC	< LOQ	1.200	%		01/05/18 10:08	01/08/18 14:10
CBGA	< LOQ	1.200	%		01/05/18 10:08	01/08/18 14:10
THCV	< LOQ	1.200	%		01/05/18 10:08	01/08/18 14:10
CBDA	< LOQ	1.200	%		01/05/18 10:08	01/08/18 14:10
CBD	< LOQ	1.200	%		01/05/18 10:08	01/08/18 14:10
CBDV	< LOQ	1.200	%		01/05/18 10:08	01/08/18 14:10
CBN	< LOQ	1.200	%		01/05/18 10:08	01/08/18 14:10
CBG	< LOQ	1.200	%		01/05/18 10:08	01/08/18 14:10
CBC	< LOQ	1.200	%		01/05/18 10:08	01/08/18 14:10

LCS(1801027-BS1)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
THCA	103	0.015	%	80-120	01/05/18 10:08	01/08/18 14:21
delta 9-THC	110	0.015	%	80-120	01/05/18 10:08	01/08/18 14:21
CBDA	109	0.015	%	80-120	01/05/18 10:08	01/08/18 14:21
CBD	110	0.015	%	80-120	01/05/18 10:08	01/08/18 14:21

LCS(1801027-BS2)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
THCA	102	0.015	%	80-120	01/05/18 10:08	01/08/18 14:33
delta 9-THC	109	0.015	%	80-120	01/05/18 10:08	01/08/18 14:33
CBDA	97.4	0.015	%	80-120	01/05/18 10:08	01/08/18 14:33
CBD	108	0.015	%	80-120	01/05/18 10:08	01/08/18 14:33

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Quality Control Pesticide Analysis

Batch: 1801025 - 203

Blank(1801025-BLK1)						
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Abamectin	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
DDVP (Dichlorvos)	< LOQ	0.2	ppm		01/04/18 15:57	01/05/18 17:14
Acephate	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Acequinocyl	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Acetamiprid	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Aldicarb	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Azoxystrobin	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Bifenazate	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Bifenthrin	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Boscalid	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Carbaryl	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Carbofuran	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Chlorantraniliprole	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Chlorfenapyr	< LOQ	0.2	ppm		01/04/18 15:57	01/05/18 17:14
Chlorpyrifos	< LOQ	0.2	ppm		01/04/18 15:57	01/05/18 17:14
Clofentezine	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Cyfluthrin	< LOQ	0.2	ppm		01/04/18 15:57	01/05/18 17:14
Cypermethrin	< LOQ	0.2	ppm		01/04/18 15:57	01/05/18 17:14
Daminozide	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Diazinon	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Dimethoate	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Ethoprophos	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Etofenprox	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Etoxazole	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Fenoxycarb	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Fenpyroximate	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Fipronil	< LOQ	0.2	ppm		01/04/18 15:57	01/05/18 17:14
Fonicamid	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Fludioxonil	< LOQ	0.2	ppm		01/04/18 15:57	01/05/18 17:14
Hexythiazox	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Imazalil	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Imidacloprid	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Kresoxim-methyl	< LOQ	0.2	ppm		01/04/18 15:57	01/05/18 17:14
Malathion	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Metalaxyl	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Methiocarb	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Methomyl	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Methyl parathion	< LOQ	0.2	ppm		01/04/18 15:57	01/05/18 17:14

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Quality Control Pesticide Analysis (Continued)

Batch: 1801025 - 203 (Continued)

Blank(1801025-BLK1)						
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed
MGK-264	< LOQ	0.2	ppm		01/04/18 15:57	01/05/18 17:14
Myclobutanil	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Naled	< LOQ	0.2	ppm		01/04/18 15:57	01/05/18 17:14
Oxamyl	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Paclobutrazol	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Permethrins	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Phosmet	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Piperonyl butoxide	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Prallethrin	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Propiconazole	< LOQ	0.2	ppm		01/04/18 15:57	01/05/18 17:14
Propoxur	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Pyrethrins	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Pyridaben	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Spinosad	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Spiromesifen	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Spirotetramat	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Spiroxamine	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Tebuconazole	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Thiacloprid	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Thiamethoxam	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Trifloxystrobin	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53

LCS(1801025-BS1)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Abamectin	82.9	0.1	ppm	7-141	01/04/18 15:57	01/05/18 20:06
DDVP (Dichlorvos)	90.3	0.2	ppm	70-130	01/04/18 15:57	01/05/18 17:36
Acephate	87.6	0.1	ppm	70-130	01/04/18 15:57	01/05/18 20:06
Acequinocyl	31.7	0.1	ppm	0-111	01/04/18 15:57	01/05/18 20:06
Acetamiprid	88.1	0.1	ppm	70-130	01/04/18 15:57	01/05/18 20:06
Aldicarb	89.4	0.1	ppm	70-130	01/04/18 15:57	01/05/18 20:06
Azoxystrobin	91.2	0.1	ppm	70-130	01/04/18 15:57	01/05/18 20:06
Bifenazate	89.7	0.1	ppm	70-130	01/04/18 15:57	01/05/18 20:06
Bifenthrin	81.1	0.1	ppm	70-130	01/04/18 15:57	01/05/18 20:06
Boscalid	73.8	0.1	ppm	70-130	01/04/18 15:57	01/05/18 20:06
Carbaryl	104	0.1	ppm	70-130	01/04/18 15:57	01/05/18 20:06
Carbofuran	101	0.1	ppm	70-130	01/04/18 15:57	01/05/18 20:06
Chlorantraniliprole	103	0.1	ppm	26-131	01/04/18 15:57	01/05/18 20:06
Chlorfenapyr	80.0	0.2	ppm	70-130	01/04/18 15:57	01/05/18 17:36
Chlorpyrifos	83.1	0.2	ppm	70-130	01/04/18 15:57	01/05/18 17:36

Eric Wendt
Chief Science Officer - 1/9/2018



Quality Control

Pesticide Analysis (Continued)

Batch: 1801025 - 203 (Continued)

LCS(1801025-BS1)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Clofentezine	45.8	0.1	ppm	35-118	01/04/18 15:57	01/05/18 20:06
Cyfluthrin	79.3	0.2	ppm	70-130	01/04/18 15:57	01/05/18 17:36
Cypermethrin	75.2	0.2	ppm	70-130	01/04/18 15:57	01/05/18 17:36
Daminozide	12.0	0.1	ppm	0-100	01/04/18 15:57	01/05/18 20:06
Diazinon	85.9	0.1	ppm	70-130	01/04/18 15:57	01/05/18 20:06
Dimethoate	95.8	0.1	ppm	70-130	01/04/18 15:57	01/05/18 20:06
Ethoprophos	89.1	0.1	ppm	70-130	01/04/18 15:57	01/05/18 20:06
Etofenprox	74.9	0.1	ppm	70-130	01/04/18 15:57	01/05/18 20:06
Etoxazole	83.8	0.1	ppm	70-130	01/04/18 15:57	01/05/18 20:06
Fenoxycarb	97.1	0.1	ppm	70-130	01/04/18 15:57	01/05/18 20:06
Fenpyroximate	71.3	0.1	ppm	70-130	01/04/18 15:57	01/05/18 20:06
Fipronil	89.6	0.2	ppm	70-130	01/04/18 15:57	01/05/18 17:36
Fonicamid	91.0	0.1	ppm	70-130	01/04/18 15:57	01/05/18 20:06
Fludioxonil	83.7	0.2	ppm	70-130	01/04/18 15:57	01/05/18 17:36
Hexythiazox	74.2	0.1	ppm	70-130	01/04/18 15:57	01/05/18 20:06
Imazalil	52.6	0.1	ppm	31-103	01/04/18 15:57	01/05/18 20:06
Imidacloprid	97.3	0.1	ppm	70-130	01/04/18 15:57	01/05/18 20:06
Kresoxim-methyl	89.8	0.2	ppm	70-130	01/04/18 15:57	01/05/18 17:36
Malathion	80.4	0.1	ppm	70-130	01/04/18 15:57	01/05/18 20:06
Metalaxyl	94.5	0.1	ppm	70-130	01/04/18 15:57	01/05/18 20:06
Methiocarb	99.6	0.1	ppm	70-130	01/04/18 15:57	01/05/18 20:06
Methomyl	85.6	0.1	ppm	70-130	01/04/18 15:57	01/05/18 20:06
Methyl parathion	94.6	0.2	ppm	70-130	01/04/18 15:57	01/05/18 17:36
MGK-264	90.2	0.2	ppm	70-130	01/04/18 15:57	01/05/18 17:36
Myclobutanil	97.5	0.1	ppm	70-130	01/04/18 15:57	01/05/18 20:06
Naled	82.4	0.2	ppm	0-103	01/04/18 15:57	01/05/18 17:36
Oxamyl	90.3	0.1	ppm	70-130	01/04/18 15:57	01/05/18 20:06
Paclobutrazol	94.7	0.1	ppm	70-130	01/04/18 15:57	01/05/18 20:06
Permethrins	83.5	0.1	ppm	70-130	01/04/18 15:57	01/05/18 20:06
Phosmet	87.3	0.1	ppm	70-130	01/04/18 15:57	01/05/18 20:06
Piperonyl butoxide	82.7	0.1	ppm	70-130	01/04/18 15:57	01/05/18 20:06
Prallethrin	85.6	0.1	ppm	70-130	01/04/18 15:57	01/05/18 20:06
Propiconazole	80.1	0.2	ppm	70-130	01/04/18 15:57	01/05/18 17:36
Propoxur	91.4	0.1	ppm	70-130	01/04/18 15:57	01/05/18 20:06
Pyrethrins	82.1	0.1	ppm	70-130	01/04/18 15:57	01/05/18 20:06
Pyridaben	72.7	0.1	ppm	70-130	01/04/18 15:57	01/05/18 20:06
Spinosad	47.8	0.1	ppm	24-91	01/04/18 15:57	01/05/18 20:06
Spiromesifen	77.5	0.1	ppm	70-130	01/04/18 15:57	01/05/18 20:06

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Quality Control
Pesticide Analysis (Continued)

Batch: 1801025 - 203 (Continued)

LCS(1801025-BS1)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Spirotetramat	86.4	0.1	ppm	70-130	01/04/18 15:57	01/05/18 20:06
Spiroxamine	32.6	0.1	ppm	15-95	01/04/18 15:57	01/05/18 20:06
Tebuconazole	86.4	0.1	ppm	70-130	01/04/18 15:57	01/05/18 20:06
Thiacloprid	88.5	0.1	ppm	70-130	01/04/18 15:57	01/05/18 20:06
Thiamethoxam	91.4	0.1	ppm	70-130	01/04/18 15:57	01/05/18 20:06
Trifloxystrobin	93.8	0.1	ppm	70-130	01/04/18 15:57	01/05/18 20:06

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Quality Control Solvent Analysis

Batch: 1801022 - 205

LCS(1801022-BS1)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Acetone	128	1000	ppm	70-130	01/04/18 13:14	01/04/18 19:59
Acetonitrile	130	50.00	ppm	70-130	01/04/18 13:14	01/04/18 19:59
Benzene	121	0.5000	ppm	70-130	01/04/18 13:14	01/04/18 19:59
n-Butane	125	1000	ppm	70-130	01/04/18 13:14	01/04/18 19:59
Butanes	125	1000	ppm	70-130	01/04/18 13:14	01/04/18 19:59
2-Butanol	126	1000	ppm	70-130	01/04/18 13:14	01/04/18 19:59
Cumene	121	50.00	ppm	70-130	01/04/18 13:14	01/04/18 19:59
Cyclohexane	127	50.00	ppm	70-130	01/04/18 13:14	01/04/18 19:59
Dichloromethane	124	50.00	ppm	70-130	01/04/18 13:14	01/04/18 19:59
1,4-Dimethylbenzene	121	50.00	ppm	70-130	01/04/18 13:14	01/04/18 19:59
1,4-Dioxane	134	50.00	ppm	70-130	01/04/18 13:14	01/04/18 19:59
2-Ethoxyethanol	126	50.00	ppm	70-130	01/04/18 13:14	01/04/18 19:59
Ethyl acetate	127	1000	ppm	70-130	01/04/18 13:14	01/04/18 19:59
Ethyl benzene	120	50.00	ppm	70-130	01/04/18 13:14	01/04/18 19:59
Ethylene glycol	130	50.00	ppm	70-130	01/04/18 13:14	01/04/18 19:59
Ethylene oxide	127	50.00	ppm	70-130	01/04/18 13:14	01/04/18 19:59
Ethyl ether	128	1000	ppm	70-130	01/04/18 13:14	01/04/18 19:59
Heptane	128	1000	ppm	70-130	01/04/18 13:14	01/04/18 19:59
n-Hexane	123	50.00	ppm	70-130	01/04/18 13:14	01/04/18 19:59
Hexanes	121	50.00	ppm	70-130	01/04/18 13:14	01/04/18 19:59
iso-Butane	124	1000	ppm	70-130	01/04/18 13:14	01/04/18 19:59
Isopropyl acetate	125	1000	ppm	70-130	01/04/18 13:14	01/04/18 19:59
iso-Pentane	127	1000	ppm	70-130	01/04/18 13:14	01/04/18 19:59
Methanol	127	100.0	ppm	70-130	01/04/18 13:14	01/04/18 19:59
2-Methylpentane	124	50.00	ppm	70-130	01/04/18 13:14	01/04/18 19:59
3-Methylpentane	123	50.00	ppm	70-130	01/04/18 13:14	01/04/18 19:59
neo-Pentane	123	1000	ppm	70-130	01/04/18 13:14	01/04/18 19:59
n-Pentane	127	1000	ppm	70-130	01/04/18 13:14	01/04/18 19:59
Pentanes	126	1000	ppm	70-130	01/04/18 13:14	01/04/18 19:59
Propane	113	1000	ppm	70-130	01/04/18 13:14	01/04/18 19:59
2-Propanol (IPA)	128	1000	ppm	70-130	01/04/18 13:14	01/04/18 19:59
Tetrahydrofuran	124	50.00	ppm	70-130	01/04/18 13:14	01/04/18 19:59
Toluene	125	50.00	ppm	70-130	01/04/18 13:14	01/04/18 19:59

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Blueberry Pie Duplicate

OM Extracts

Sample ID: G8A0013-02

Date Sampled: 01/03/18 00:00

Date Accepted: 01/03/18

Results Valid Until: 01/03/19

Results at a Glance

Pesticides : **PASS**

Total THC : **60.51 %**

Total CBD : **2.815 %**

Residual Solvent Analysis : **PASS**

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Blueberry Pie Duplicate

Date Sampled: 01/03/18 00:00

Date Accepted: 01/03/18

Results Valid Until: 01/03/19

OM Extracts

Sample ID: G8A0013-02

Matrix: Extracts and Concentrates

Test RFID: 0016

Source RFID: 1A4010300014ADD000000015

Potency Analysis

Date/Time Extracted: 01/05/18 10:08

Analysis Method/SOP: 215

Date/Time Analyzed: 01/08/18 15:08

Batch Identification: 1801027

Cannabinoids (% weight)	Decarboxylated* %	Cannabinoids Profile								
Total THC ((THCA*0.877)+Δ9)	60.51	<table border="1"> <tr><td>THCA</td><td>20.0</td></tr> <tr><td>delta 9-THC</td><td>43.0</td></tr> <tr><td>CBD</td><td>2.8</td></tr> <tr><td>Total</td><td>65.8</td></tr> </table>	THCA	20.0	delta 9-THC	43.0	CBD	2.8	Total	65.8
THCA	20.0									
delta 9-THC	43.0									
CBD	2.8									
Total	65.8									
Total CBD ((CBDA*0.877)+CBD)	2.815									
THCA	19.98									
delta 9-THC	42.98									
delta 8-THC	< LOQ									
THCV	< LOQ									
CBGA	< LOQ									
CBDA	< LOQ									
CBD	2.815									
CBDV	< LOQ									
CBN	< LOQ									
CBG	< LOQ									
CBC	< LOQ									
Total Cannabinoids	65.78									

<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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Blueberry Pie Duplicate

Date Sampled: 01/03/18

Date Accepted: 01/03/18

Results Valid Until: 01/03/19

OM Extracts

Sample ID: G8A0013-02

Matrix: Extracts and Concentrates

Test RFID: 0016

Source RFID: 1A4010300014ADD000000015

Pesticide Analysis in PPM

Date/Time Extracted: 01/04/18 15:57

Date/Time GC Analyzed: 01/05/18 19:04

Analysis Method/SOP: 203

Date/Time LC Analyzed: 01/05/18 21:00

Batch Identification: 1801025

Analyte	Result	Action Level	LOQ	Type
Abamectin	< LOQ	0.5	0.1	Insecticide and anthelmintic
Acephate	< LOQ	0.4	0.1	Organophosphate insecticide
Acequinocyl	< LOQ	2	0.1	Acaricide
Acetamiprid	< LOQ	0.2	0.1	Neonicotinoid insecticide
Aldicarb	< LOQ	0.4	0.1	Carbamate insecticide
Azoxystrobin	< LOQ	0.2	0.1	QoI fungicide
Bifenazate	< LOQ	0.2	0.1	Insecticide and miticide
Bifenthrin	< LOQ	0.2	0.1	Pyrethroid insecticide and acaricide
Boscalid	< LOQ	0.4	0.1	Carboxamide fungicide
Carbaryl	< LOQ	0.2	0.1	Carbamate insecticide
Carbofuran	< LOQ	0.2	0.1	Carbamate insecticide
Chlorantraniliprole	< LOQ	0.2	0.1	Anthranilic diamide insecticide
Chlorfenapyr	< LOQ	1	0.2	Pyrazole insecticide, acaricide and miticide
Chlorpyrifos	< LOQ	0.2	0.2	Organophosphate insecticide
Clofentezine	< LOQ	0.2	0.1	Ovicidal tetrazine acaricide
Cyfluthrin	< LOQ	1	0.2	Pyrethroid insecticide
Cypermethrin	< LOQ	1	0.2	Pyrethroid insecticide
Daminozide	< LOQ	1	0.1	Plant growth regulator
DDVP (Dichlorvos)	< LOQ	1	0.2	Organophosphate insecticide
Diazinon	< LOQ	0.2	0.1	Organophosphate insecticide
Dimethoate	< LOQ	0.2	0.1	Organophosphate insecticide
Ethoprophos	< LOQ	0.2	0.1	Organophosphate insecticide, nematocide
Etofenprox	< LOQ	0.4	0.1	Pyrethroid insecticide
Etoxazole	< LOQ	0.2	0.1	Diphenyl oxazoline acaricide
Fenoxycarb	< LOQ	0.2	0.1	Carbamate insecticide
Fenpyroximate	< LOQ	0.4	0.1	Pyrazolium insecticide and acaricide
Fipronil	< LOQ	0.4	0.2	Pyrazole insecticide
Flonicamid	< LOQ	1	0.1	Pyridinecarboxamide insecticide
Fludioxonil	< LOQ	0.4	0.2	Phenylpyrrole fungicide
Hexythiazox	< LOQ	1	0.1	Carboxamide acaricide
Imazalil	< LOQ	0.2	0.1	Azole fungicide
Imidacloprid	< LOQ	0.4	0.1	Neonicotinoid insecticide
Kresoxim-methyl	< LOQ	0.4	0.2	Strobilurin fungicide and bactericide
Malathion	< LOQ	0.2	0.1	Organophosphate insecticide and acaricide
Metalaxyl	< LOQ	0.2	0.1	Phenylamide fungicide

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Blueberry Pie Duplicate

Date Sampled: 01/03/18

Date Accepted: 01/03/18

Results Valid Until: 01/03/19

OM Extracts

Sample ID: G8A0013-02

Matrix: Extracts and Concentrates

Test RFID: 0016

Source RFID: 1A4010300014ADD000000015

Pesticide Analysis in PPM

Date/Time Extracted: 01/04/18 15:57

Date/Time GC Analyzed: 01/05/18 19:04

Analysis Method/SOP: 203

Date/Time LC Analyzed: 01/05/18 21:00

Batch Identification: 1801025

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

OM Extracts

Sample ID: G8A0013-02

Matrix: Extracts and Concentrates

Test RFID: 0016

Source RFID: 1A4010300014ADD000000015

Date Sampled: 01/03/18 00:00

Date Accepted: 01/03/18

Results Valid Until: 01/03/19

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	
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	

Date/Time Extracted: 01/04/18 13:14

Date/Time Analyzed: 01/04/18 22:23

Analysis Method/SOP: 205

Batch Identification: 1801022

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-dimethylbutane (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)

<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 - 1/9/2018



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Quality Control Potency

Batch: 1801027 - 215-Concentrates

Blank(1801027-BLK1)						
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed
THCA	< LOQ	1.200	%		01/05/18 10:08	01/08/18 14:10
delta 9-THC	< LOQ	1.200	%		01/05/18 10:08	01/08/18 14:10
delta 8-THC	< LOQ	1.200	%		01/05/18 10:08	01/08/18 14:10
CBGA	< LOQ	1.200	%		01/05/18 10:08	01/08/18 14:10
THCV	< LOQ	1.200	%		01/05/18 10:08	01/08/18 14:10
CBDA	< LOQ	1.200	%		01/05/18 10:08	01/08/18 14:10
CBD	< LOQ	1.200	%		01/05/18 10:08	01/08/18 14:10
CBDV	< LOQ	1.200	%		01/05/18 10:08	01/08/18 14:10
CBN	< LOQ	1.200	%		01/05/18 10:08	01/08/18 14:10
CBG	< LOQ	1.200	%		01/05/18 10:08	01/08/18 14:10
CBC	< LOQ	1.200	%		01/05/18 10:08	01/08/18 14:10

LCS(1801027-BS1)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
THCA	103	0.015	%	80-120	01/05/18 10:08	01/08/18 14:21
delta 9-THC	110	0.015	%	80-120	01/05/18 10:08	01/08/18 14:21
CBDA	109	0.015	%	80-120	01/05/18 10:08	01/08/18 14:21
CBD	110	0.015	%	80-120	01/05/18 10:08	01/08/18 14:21

LCS(1801027-BS2)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
THCA	102	0.015	%	80-120	01/05/18 10:08	01/08/18 14:33
delta 9-THC	109	0.015	%	80-120	01/05/18 10:08	01/08/18 14:33
CBDA	97.4	0.015	%	80-120	01/05/18 10:08	01/08/18 14:33
CBD	108	0.015	%	80-120	01/05/18 10:08	01/08/18 14:33

Eric Wendt
Chief Science Officer - 1/9/2018



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

Green Leaf Lab proudly follows TNI 2009
Quality Standards

Quality Control Pesticide Analysis

Batch: 1801025 - 203

Blank(1801025-BLK1)						
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Abamectin	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
DDVP (Dichlorvos)	< LOQ	0.2	ppm		01/04/18 15:57	01/05/18 17:14
Acephate	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Acequinocyl	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Acetamiprid	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Aldicarb	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Azoxystrobin	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Bifenazate	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Bifenthrin	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Boscalid	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Carbaryl	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Carbofuran	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Chlorantraniliprole	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Chlorfenapyr	< LOQ	0.2	ppm		01/04/18 15:57	01/05/18 17:14
Chlorpyrifos	< LOQ	0.2	ppm		01/04/18 15:57	01/05/18 17:14
Clofentezine	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Cyfluthrin	< LOQ	0.2	ppm		01/04/18 15:57	01/05/18 17:14
Cypermethrin	< LOQ	0.2	ppm		01/04/18 15:57	01/05/18 17:14
Daminozide	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Diazinon	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Dimethoate	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Ethoprophos	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Etofenprox	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Etoxazole	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Fenoxycarb	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Fenpyroximate	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Fipronil	< LOQ	0.2	ppm		01/04/18 15:57	01/05/18 17:14
Fonicamid	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Fludioxonil	< LOQ	0.2	ppm		01/04/18 15:57	01/05/18 17:14
Hexythiazox	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Imazalil	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Imidacloprid	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Kresoxim-methyl	< LOQ	0.2	ppm		01/04/18 15:57	01/05/18 17:14
Malathion	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Metalaxyl	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Methiocarb	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Methomyl	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Methyl parathion	< LOQ	0.2	ppm		01/04/18 15:57	01/05/18 17:14

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Quality Control Pesticide Analysis (Continued)

Batch: 1801025 - 203 (Continued)

Blank(1801025-BLK1)						
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed
MGK-264	< LOQ	0.2	ppm		01/04/18 15:57	01/05/18 17:14
Myclobutanil	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Naled	< LOQ	0.2	ppm		01/04/18 15:57	01/05/18 17:14
Oxamyl	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Paclobutrazol	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Permethrins	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Phosmet	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Piperonyl butoxide	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Prallethrin	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Propiconazole	< LOQ	0.2	ppm		01/04/18 15:57	01/05/18 17:14
Propoxur	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Pyrethrins	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Pyridaben	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Spinosad	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Spiromesifen	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Spirotetramat	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Spiroxamine	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Tebuconazole	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Thiacloprid	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Thiamethoxam	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53
Trifloxystrobin	< LOQ	0.1	ppm		01/04/18 15:57	01/05/18 19:53

LCS(1801025-BS1)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Abamectin	82.9	0.1	ppm	7-141	01/04/18 15:57	01/05/18 20:06
DDVP (Dichlorvos)	90.3	0.2	ppm	70-130	01/04/18 15:57	01/05/18 17:36
Acephate	87.6	0.1	ppm	70-130	01/04/18 15:57	01/05/18 20:06
Acequinocyl	31.7	0.1	ppm	0-111	01/04/18 15:57	01/05/18 20:06
Acetamiprid	88.1	0.1	ppm	70-130	01/04/18 15:57	01/05/18 20:06
Aldicarb	89.4	0.1	ppm	70-130	01/04/18 15:57	01/05/18 20:06
Azoxystrobin	91.2	0.1	ppm	70-130	01/04/18 15:57	01/05/18 20:06
Bifenazate	89.7	0.1	ppm	70-130	01/04/18 15:57	01/05/18 20:06
Bifenthrin	81.1	0.1	ppm	70-130	01/04/18 15:57	01/05/18 20:06
Boscalid	73.8	0.1	ppm	70-130	01/04/18 15:57	01/05/18 20:06
Carbaryl	104	0.1	ppm	70-130	01/04/18 15:57	01/05/18 20:06
Carbofuran	101	0.1	ppm	70-130	01/04/18 15:57	01/05/18 20:06
Chlorantraniliprole	103	0.1	ppm	26-131	01/04/18 15:57	01/05/18 20:06
Chlorfenapyr	80.0	0.2	ppm	70-130	01/04/18 15:57	01/05/18 17:36
Chlorpyrifos	83.1	0.2	ppm	70-130	01/04/18 15:57	01/05/18 17:36

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Quality Control

Pesticide Analysis (Continued)

Batch: 1801025 - 203 (Continued)

LCS(1801025-BS1)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Clofentezine	45.8	0.1	ppm	35-118	01/04/18 15:57	01/05/18 20:06
Cyfluthrin	79.3	0.2	ppm	70-130	01/04/18 15:57	01/05/18 17:36
Cypermethrin	75.2	0.2	ppm	70-130	01/04/18 15:57	01/05/18 17:36
Daminozide	12.0	0.1	ppm	0-100	01/04/18 15:57	01/05/18 20:06
Diazinon	85.9	0.1	ppm	70-130	01/04/18 15:57	01/05/18 20:06
Dimethoate	95.8	0.1	ppm	70-130	01/04/18 15:57	01/05/18 20:06
Ethoprophos	89.1	0.1	ppm	70-130	01/04/18 15:57	01/05/18 20:06
Etofenprox	74.9	0.1	ppm	70-130	01/04/18 15:57	01/05/18 20:06
Etoxazole	83.8	0.1	ppm	70-130	01/04/18 15:57	01/05/18 20:06
Fenoxycarb	97.1	0.1	ppm	70-130	01/04/18 15:57	01/05/18 20:06
Fenpyroximate	71.3	0.1	ppm	70-130	01/04/18 15:57	01/05/18 20:06
Fipronil	89.6	0.2	ppm	70-130	01/04/18 15:57	01/05/18 17:36
Fonicamid	91.0	0.1	ppm	70-130	01/04/18 15:57	01/05/18 20:06
Fludioxonil	83.7	0.2	ppm	70-130	01/04/18 15:57	01/05/18 17:36
Hexythiazox	74.2	0.1	ppm	70-130	01/04/18 15:57	01/05/18 20:06
Imazalil	52.6	0.1	ppm	31-103	01/04/18 15:57	01/05/18 20:06
Imidacloprid	97.3	0.1	ppm	70-130	01/04/18 15:57	01/05/18 20:06
Kresoxim-methyl	89.8	0.2	ppm	70-130	01/04/18 15:57	01/05/18 17:36
Malathion	80.4	0.1	ppm	70-130	01/04/18 15:57	01/05/18 20:06
Metalaxyl	94.5	0.1	ppm	70-130	01/04/18 15:57	01/05/18 20:06
Methiocarb	99.6	0.1	ppm	70-130	01/04/18 15:57	01/05/18 20:06
Methomyl	85.6	0.1	ppm	70-130	01/04/18 15:57	01/05/18 20:06
Methyl parathion	94.6	0.2	ppm	70-130	01/04/18 15:57	01/05/18 17:36
MGK-264	90.2	0.2	ppm	70-130	01/04/18 15:57	01/05/18 17:36
Myclobutanil	97.5	0.1	ppm	70-130	01/04/18 15:57	01/05/18 20:06
Naled	82.4	0.2	ppm	0-103	01/04/18 15:57	01/05/18 17:36
Oxamyl	90.3	0.1	ppm	70-130	01/04/18 15:57	01/05/18 20:06
Paclobutrazol	94.7	0.1	ppm	70-130	01/04/18 15:57	01/05/18 20:06
Permethrins	83.5	0.1	ppm	70-130	01/04/18 15:57	01/05/18 20:06
Phosmet	87.3	0.1	ppm	70-130	01/04/18 15:57	01/05/18 20:06
Piperonyl butoxide	82.7	0.1	ppm	70-130	01/04/18 15:57	01/05/18 20:06
Prallethrin	85.6	0.1	ppm	70-130	01/04/18 15:57	01/05/18 20:06
Propiconazole	80.1	0.2	ppm	70-130	01/04/18 15:57	01/05/18 17:36
Propoxur	91.4	0.1	ppm	70-130	01/04/18 15:57	01/05/18 20:06
Pyrethrins	82.1	0.1	ppm	70-130	01/04/18 15:57	01/05/18 20:06
Pyridaben	72.7	0.1	ppm	70-130	01/04/18 15:57	01/05/18 20:06
Spinosad	47.8	0.1	ppm	24-91	01/04/18 15:57	01/05/18 20:06
Spiromesifen	77.5	0.1	ppm	70-130	01/04/18 15:57	01/05/18 20:06

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Quality Standards

Quality Control
Pesticide Analysis (Continued)

Batch: 1801025 - 203 (Continued)

LCS(1801025-BS1)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Spirotetramat	86.4	0.1	ppm	70-130	01/04/18 15:57	01/05/18 20:06
Spiroxamine	32.6	0.1	ppm	15-95	01/04/18 15:57	01/05/18 20:06
Tebuconazole	86.4	0.1	ppm	70-130	01/04/18 15:57	01/05/18 20:06
Thiacloprid	88.5	0.1	ppm	70-130	01/04/18 15:57	01/05/18 20:06
Thiamethoxam	91.4	0.1	ppm	70-130	01/04/18 15:57	01/05/18 20:06
Trifloxystrobin	93.8	0.1	ppm	70-130	01/04/18 15:57	01/05/18 20:06

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Quality Control Solvent Analysis

Batch: 1801022 - 205

LCS(1801022-BS1)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Acetone	128	1000	ppm	70-130	01/04/18 13:14	01/04/18 19:59
Acetonitrile	130	50.00	ppm	70-130	01/04/18 13:14	01/04/18 19:59
Benzene	121	0.5000	ppm	70-130	01/04/18 13:14	01/04/18 19:59
n-Butane	125	1000	ppm	70-130	01/04/18 13:14	01/04/18 19:59
Butanes	125	1000	ppm	70-130	01/04/18 13:14	01/04/18 19:59
2-Butanol	126	1000	ppm	70-130	01/04/18 13:14	01/04/18 19:59
Cumene	121	50.00	ppm	70-130	01/04/18 13:14	01/04/18 19:59
Cyclohexane	127	50.00	ppm	70-130	01/04/18 13:14	01/04/18 19:59
Dichloromethane	124	50.00	ppm	70-130	01/04/18 13:14	01/04/18 19:59
1,4-Dimethylbenzene	121	50.00	ppm	70-130	01/04/18 13:14	01/04/18 19:59
1,4-Dioxane	134	50.00	ppm	70-130	01/04/18 13:14	01/04/18 19:59
2-Ethoxyethanol	126	50.00	ppm	70-130	01/04/18 13:14	01/04/18 19:59
Ethyl acetate	127	1000	ppm	70-130	01/04/18 13:14	01/04/18 19:59
Ethyl benzene	120	50.00	ppm	70-130	01/04/18 13:14	01/04/18 19:59
Ethylene glycol	130	50.00	ppm	70-130	01/04/18 13:14	01/04/18 19:59
Ethylene oxide	127	50.00	ppm	70-130	01/04/18 13:14	01/04/18 19:59
Ethyl ether	128	1000	ppm	70-130	01/04/18 13:14	01/04/18 19:59
Heptane	128	1000	ppm	70-130	01/04/18 13:14	01/04/18 19:59
n-Hexane	123	50.00	ppm	70-130	01/04/18 13:14	01/04/18 19:59
Hexanes	121	50.00	ppm	70-130	01/04/18 13:14	01/04/18 19:59
iso-Butane	124	1000	ppm	70-130	01/04/18 13:14	01/04/18 19:59
Isopropyl acetate	125	1000	ppm	70-130	01/04/18 13:14	01/04/18 19:59
iso-Pentane	127	1000	ppm	70-130	01/04/18 13:14	01/04/18 19:59
Methanol	127	100.0	ppm	70-130	01/04/18 13:14	01/04/18 19:59
2-Methylpentane	124	50.00	ppm	70-130	01/04/18 13:14	01/04/18 19:59
3-Methylpentane	123	50.00	ppm	70-130	01/04/18 13:14	01/04/18 19:59
neo-Pentane	123	1000	ppm	70-130	01/04/18 13:14	01/04/18 19:59
n-Pentane	127	1000	ppm	70-130	01/04/18 13:14	01/04/18 19:59
Pentanes	126	1000	ppm	70-130	01/04/18 13:14	01/04/18 19:59
Propane	113	1000	ppm	70-130	01/04/18 13:14	01/04/18 19:59
2-Propanol (IPA)	128	1000	ppm	70-130	01/04/18 13:14	01/04/18 19:59
Tetrahydrofuran	124	50.00	ppm	70-130	01/04/18 13:14	01/04/18 19:59
Toluene	125	50.00	ppm	70-130	01/04/18 13:14	01/04/18 19:59

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