



Key Lime Pie

Sample ID: G0C0051-01 Matrix: Extracts & Concentrates
Test ID: 1A4010300015A7D000005969
Source ID: 1A4010300015A7D000005923
Date Sampled: 03/04/20 Date Accepted: 03/04/20

Oregon Natural Roots LLC

Results at a Glance

Total THC : 69.71 %

Total CBD : <LOQ (0.0348%) %

Pesticides : PASS

Residual Solvent Analysis : PASS

Total Terpenes : 5.364 % PASS



Russell Kuhfeld

Russell Kuhfeld
Quality Officer - 3/9/2020

All QC samples met acceptance criteria of the method; data available upon request. These results relate only to the sample included on this report. The report may not be reproduced except in full, without the written permission of Green Leaf Lab.



Key Lime Pie

Sample ID: G0C0051-01 Matrix: Extracts & Concentrates

Test ID: 1A4010300015A7D000005969

Source ID: 1A4010300015A7D000005923

Date Sampled: 03/04/20

Date Accepted: 03/04/20

Oregon Natural Roots LLC

Potency Analysis

Date/Time Extracted: 03/04/20 15:43

Analysis Method/SOP: 215

Batch Identification: 2010038

Cannabinoids	LOQ (%)	% by Wt.	mg/g	Cannabinoids Profile										
Total THC	0.1273	69.71	697.1	<table border="1"> <tr><td>delta 9-THC</td><td>69.7</td></tr> <tr><td>CBN</td><td>2.5</td></tr> <tr><td>CBG</td><td>5.1</td></tr> <tr><td>CBC</td><td>2.4</td></tr> <tr><td>Total</td><td>79.7</td></tr> </table>	delta 9-THC	69.7	CBN	2.5	CBG	5.1	CBC	2.4	Total	79.7
delta 9-THC	69.7													
CBN	2.5													
CBG	5.1													
CBC	2.4													
Total	79.7													
Total CBD	0.0348	< LOQ	< LOQ											
THCA	0.0490	< LOQ	< LOQ											
delta 9-THC	0.1273	69.71	697.1											
delta 8-THC	0.0754	< LOQ	< LOQ											
Exo-THC	0.0175	< LOQ	< LOQ											
THCV	0.0849	< LOQ	< LOQ											
THCVA	0.0316	< LOQ	< LOQ											
CBD	0.0261	< LOQ	< LOQ											
CBDA	0.0348	< LOQ	< LOQ											
CBDV	0.0840	< LOQ	< LOQ											
CBDVA	0.0276	< LOQ	< LOQ											
CBN	0.0503	2.453	24.53											
CBG	0.0132	5.134	51.34											
CBGA	0.0132	< LOQ	< LOQ											
CBC	0.1506	2.447	24.47											
Total Cannabinoids		79.74	797.4											

Total THC = delta 9-THC + (THCA * 0.877)

Total CBD = CBD + (CBDA * 0.877)

LOQ=Limit of Quantification, the lowest measurable concentration of an analyte.



Russell Kuhfeld

Russell Kuhfeld
Quality Officer - 3/9/2020

ISO 17025
ACCREDITED
LABORATORY

All QC samples met acceptance criteria of the method; data available upon request. These results relate only to the sample included on this report. The report may not be reproduced except in full, without the written permission of Green Leaf Lab.



Key Lime Pie

Sample ID: G0C0051-01 Matrix: Extracts & Concentrates
Test ID: 1A4010300015A7D000005969
Source ID: 1A4010300015A7D000005923
Date Sampled: 03/04/20 Date Accepted: 03/04/20

Oregon Natural Roots LLC

Terpene Analysis					
Date/Time Extracted: 03/04/20 15:43			Analysis Method/SOP: 204		
Monoterpenes	%	mg/g	Monoterpenes	%	mg/g
Camphene	< LOQ	< LOQ	Camphor	< LOQ	< LOQ
3-Carene	< LOQ	< LOQ	alpha-Cedrene	< LOQ	< LOQ
Cedrol	< LOQ	< LOQ	Endo-fenchyl alcohol	0.07537	0.7537
Eucalyptol	< LOQ	< LOQ	Fenchone	< LOQ	< LOQ
Geraniol	< LOQ	< LOQ	Geranyl acetate	< LOQ	< LOQ
Hexahydrothymol	< LOQ	< LOQ	Isoborneol	< LOQ	< LOQ
Isopulegol	< LOQ	< LOQ	Limonene	0.3522	3.522
Linalool	0.1658	1.658	p-Mentha-1,5-diene	< LOQ	< LOQ
beta-Myrcene	0.8118	8.118	alpha-Pinene	0.1014	1.014
beta-Pinene	0.07357	0.7357	Pulegone	< LOQ	< LOQ
Sabinene	< LOQ	< LOQ	Sabinene hydrate	< LOQ	< LOQ
gamma-Terpinene	< LOQ	< LOQ	alpha-Terpinene	< LOQ	< LOQ
Terpineol	0.07148	0.7148	Terpinolene	0.6104	6.104
B Y-Terpineol	< LOQ	< LOQ	Nerol	< LOQ	< LOQ
A-Terpineol	0.1135	1.135	Borneol	< LOQ	< LOQ
Ocimene isomer II	0.2195	2.195	Ocimene isomer I	< LOQ	< LOQ
Sesquiterpenes	%	mg/g	Sesquiterpenes	%	mg/g
alpha-Bisabolol	0.06613	0.6613	beta-Caryophyllene	1.465	14.65
Caryophyllene Oxide	0.04819	0.4819	Guaiol	< LOQ	< LOQ
alpha-Humulene	0.4840	4.84	trans-Nerolidol	< LOQ	< LOQ
Valencene	< LOQ	< LOQ	cis-Nerolidol	0.7769	7.769
Total Terpenes	5.364	53.64			

<LOQ - Results below the Limit of Quantitation - Terpenes profile/analysis are not accredited to ORELAP TNI 2009 Quality Standards.



Russell Kuhfeld

Russell Kuhfeld
Quality Officer - 3/9/2020

All QC samples met acceptance criteria of the method; data available upon request. These results relate only to the sample included on this report. The report may not be reproduced except in full, without the written permission of Green Leaf Lab.



Key Lime Pie

Sample ID: G0C0051-01 Matrix: Extracts & Concentrates

Test ID: 1A4010300015A7D000005969

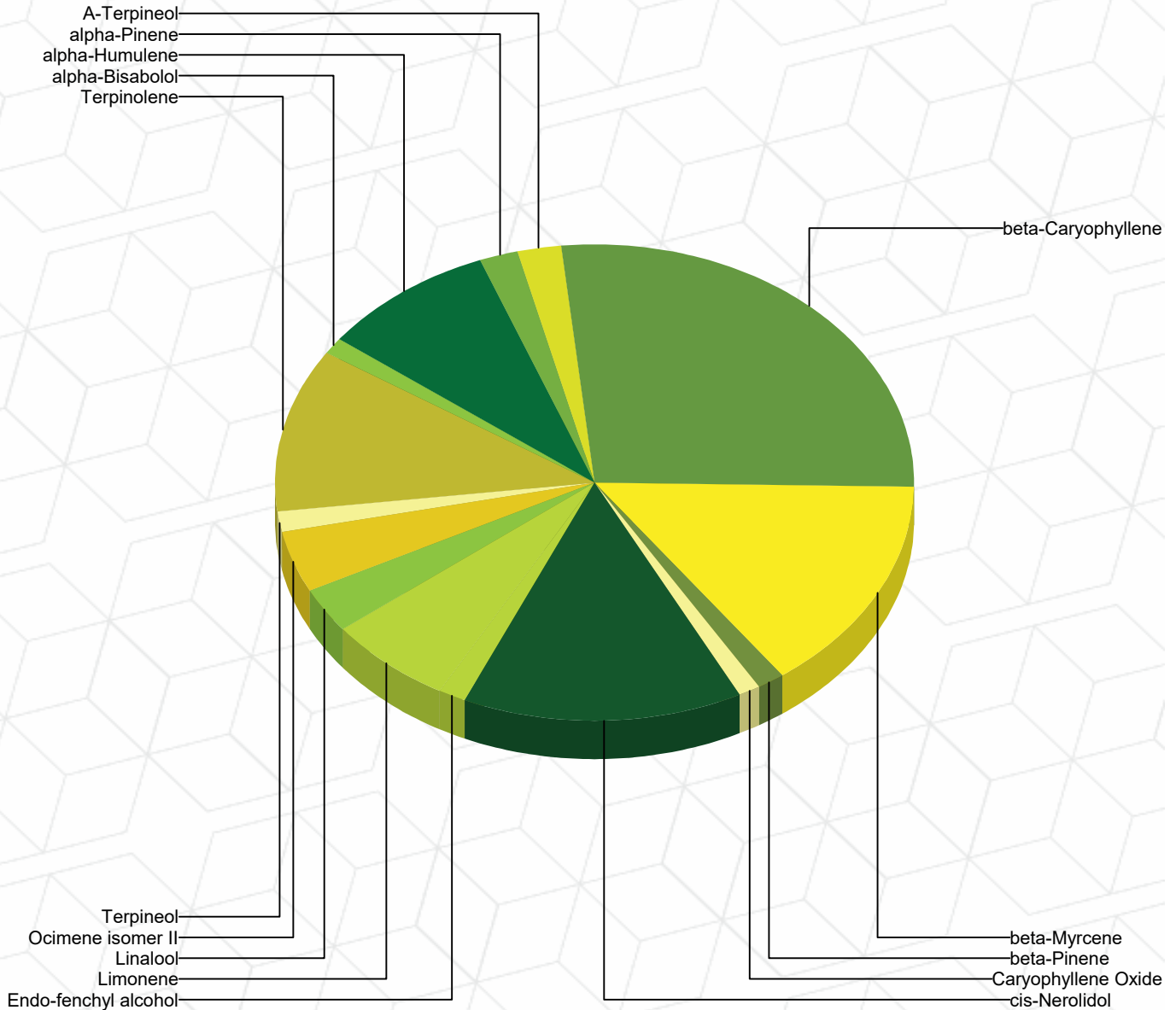
Source ID: 1A4010300015A7D000005923

Date Sampled: 03/04/20

Date Accepted: 03/04/20

Oregon Natural Roots LLC

Terpene Profile



Percentage of Total Terpenes Identified



Russell Kuhfeld

Russell Kuhfeld
Quality Officer - 3/9/2020

All QC samples met acceptance criteria of the method; data available upon request. These results relate only to the sample included on this report. The report may not be reproduced except in full, without the written permission of Green Leaf Lab.



Key Lime Pie

Sample ID: G0C0051-01 Matrix: Extracts & Concentrates

Test ID: 1A4010300015A7D000005969

Source ID: 1A4010300015A7D000005923

Date Sampled: 03/04/20

Date Accepted: 03/04/20

Oregon Natural Roots LLC

Pesticide Analysis in ppm

Date/Time Extracted: 03/06/20 12:07

Analysis Method/SOP: 202

Analyte	Result	Action Level	LOD	LOQ	Units	Analyte	Result	Action Level	LOD	LOQ	Units
Abamectin	< LOQ	0.5		0.4	ppm	Acephate	< LOQ	0.4		0.06	ppm
Acequinocyl	< LOQ	2		0.4	ppm	Acetamiprid	< LOQ	0.2		0.06	ppm
Aldicarb	< LOQ	0.4		0.06	ppm	Azoxystrobin	< LOQ	0.2		0.06	ppm
Bifenazate	< LOQ	0.2		0.06	ppm	Bifenthrin	< LOQ	0.2		0.06	ppm
Boscalid	< LOQ	0.4		0.06	ppm	Carbaryl	< LOQ	0.2		0.06	ppm
Carbofuran	< LOQ	0.2		0.06	ppm	Chlorantraniliprole	< LOQ	0.2		0.06	ppm
Chlorfenapyr	< LOQ	1		0.4	ppm	Chlorpyrifos	< LOQ	0.2		0.06	ppm
Clofentezine	< LOQ	0.2		0.06	ppm	Cyfluthrin	< LOQ	1		0.06	ppm
Cypermethrin	< LOQ	1		0.4	ppm	Daminozide	< LOQ	1		0.06	ppm
DDVP (Dichlorvos)	< LOQ	1		0.06	ppm	Diazinon	< LOQ	0.2		0.06	ppm
Dimethoate	< LOQ	0.2		0.06	ppm	Ethoprophos	< LOQ	0.2		0.06	ppm
Etofenprox	< LOQ	0.4		0.06	ppm	Etoxazole	< LOQ	0.2		0.06	ppm
Fenoxycarb	< LOQ	0.2		0.06	ppm	Fenpyroximate	< LOQ	0.4		0.06	ppm
Fipronil	< LOQ	0.4		0.1	ppm	Flonicamid	< LOQ	1		0.06	ppm
Fludioxonil	< LOQ	0.4		0.06	ppm	Fludioxonil	< LOQ	0.4		0.06	ppm
Hexythiazox	< LOQ	1		0.1	ppm	Imazalil	< LOQ	0.2		0.06	ppm
Imidacloprid	< LOQ	0.4		0.06	ppm	Kresoxim-methyl	< LOQ	0.4		0.1	ppm
Malathion	< LOQ	0.2		0.06	ppm	Malathion	< LOQ	0.2		0.06	ppm
Metalaxyl	< LOQ	0.2		0.06	ppm	Methiocarb	< LOQ	0.2		0.06	ppm
Methomyl	< LOQ	0.4		0.06	ppm	Methyl parathion	< LOQ	0.2		0.06	ppm
MGK-264	< LOQ	0.2		0.06	ppm	Myclobutanil	< LOQ	0.2		0.06	ppm
Naled	< LOQ	0.5		0.06	ppm	Oxamyl	< LOQ	1		0.06	ppm
Paclobutrazol	< LOQ	0.4		0.06	ppm	Permethrins	< LOQ	0.2		0.06	ppm
Phosmet	< LOQ	0.2		0.06	ppm	Piperonyl butoxide	< LOQ	2		0.9	ppm
Prallethrin	< LOQ	0.2		0.06	ppm	Propiconazole	< LOQ	0.4		0.06	ppm
Propoxur	< LOQ	0.2		0.06	ppm	Pyrethrins	< LOQ	1		0.06	ppm
Pyridaben	< LOQ	0.2		0.06	ppm	Spinosad	< LOQ	0.2		0.06	ppm
Spiromesifen	< LOQ	0.2		0.06	ppm	Spirotetramat	< LOQ	0.2		0.06	ppm
Spiroxamine	< LOQ	0.4		0.06	ppm	Tebuconazole	< LOQ	0.4		0.06	ppm
Thiacloprid	< LOQ	0.2		0.06	ppm	Thiamethoxam	< LOQ	0.2		0.06	ppm
Trifloxystrobin	< LOQ	0.2		0.06	ppm						

ND - Compound not detected

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



Russell Kuhfeld

Russell Kuhfeld
Quality Officer - 3/9/2020

All QC samples met acceptance criteria of the method; data available upon request. These results relate only to the sample included on this report. The report may not be reproduced except in full, without the written permission of Green Leaf Lab.



Key Lime Pie

Sample ID: G0C0051-01 Matrix: Extracts & Concentrates

Test ID: 1A4010300015A7D000005969

Source ID: 1A4010300015A7D000005923

Date Sampled: 03/04/20

Date Accepted: 03/04/20

Oregon Natural Roots LLC

Residual Solvents

Date/Time Extracted: 03/04/20 15:33

Analysis Method/SOP: 205

Analyte	Result	Action Level	LOD	LOQ	Units
1,4-Dioxane	< LOQ	380		50.00	ppm
2-Butanol	< LOQ	5000		1000	ppm
2-Ethoxyethanol	< LOQ	160		80.00	ppm
2-Propanol (IPA)	< LOQ	5000		1000	ppm
Acetone	< LOQ	5000		1000	ppm
Acetonitrile	< LOQ	410		50.00	ppm
Benzene	< LOQ	2		1.000	ppm
Butanes	< LOQ	5000		1000	ppm
Cumene	< LOQ	70		35.00	ppm
Cyclohexane	< LOQ	3880		50.00	ppm
Dichloromethane	< LOQ	600		50.00	ppm
Ethyl acetate	< LOQ	5000		1000	ppm
Ethyl benzene	< LOQ	2170		35.00	ppm
Ethyl ether	< LOQ	5000		1000	ppm
Ethylene glycol	< LOQ	620		310.0	ppm
Ethylene oxide	< LOQ	50		25.00	ppm
Heptane	< LOQ	5000		1000	ppm
Hexanes	< LOQ	290		50.00	ppm
Isopropyl acetate	< LOQ	5000		1000	ppm
Methanol	< LOQ	3000		1000	ppm
Pentanes	< LOQ	5000		1000	ppm
Propane	< LOQ	5000		1000	ppm
Tetrahydrofuran	< LOQ	720		50.00	ppm
Toluene	< LOQ	890		50.00	ppm
Xylenes	< LOQ	2170		50.00	ppm

<LOQ - Results below the Limit of Quantitation

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



Russell Kuhfeld

Russell Kuhfeld
Quality Officer - 3/9/2020

All QC samples met acceptance criteria of the method; data available upon request. These results relate only to the sample included on this report. The report may not be reproduced except in full, without the written permission of Green Leaf Lab.



Quality Control Potency

Batch: 2010038 - 215-Concentrates

Blank(2010038-BLK1)						
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed
THCA	< LOQ	0.0490	%		03/04/20 15:43	03/05/20 00:13
delta 9-THC	< LOQ	0.1273	%		03/04/20 15:43	03/05/20 00:13
delta 8-THC	< LOQ	0.0754	%		03/04/20 15:43	03/05/20 00:13
Exo-THC	< LOQ	0.0175	%		03/04/20 15:43	03/05/20 00:13
THCV	< LOQ	0.0849	%		03/04/20 15:43	03/05/20 00:13
THCVA	< LOQ	0.0316	%		03/04/20 15:43	03/05/20 00:13
CBD	< LOQ	0.0261	%		03/04/20 15:43	03/05/20 00:13
CBDA	< LOQ	0.0348	%		03/04/20 15:43	03/05/20 00:13
CBDV	< LOQ	0.0840	%		03/04/20 15:43	03/05/20 00:13
CBDVA	< LOQ	0.0276	%		03/04/20 15:43	03/05/20 00:13
CBN	< LOQ	0.0503	%		03/04/20 15:43	03/05/20 00:13
CBG	< LOQ	0.0132	%		03/04/20 15:43	03/05/20 00:13
CBGA	< LOQ	0.0132	%		03/04/20 15:43	03/05/20 00:13
CBC	< LOQ	0.1506	%		03/04/20 15:43	03/05/20 00:13

Reference(2010038-SRM1)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
THCA	101	0.0236	%	80-120	03/04/20 15:43	03/05/20 00:35
delta 9-THC	107	0.0613	%	80-120	03/04/20 15:43	03/05/20 00:35
CBD	103	0.0126	%	80-120	03/04/20 15:43	03/05/20 00:35
CBDA	104	0.0168	%	80-120	03/04/20 15:43	03/05/20 00:35

Pesticide Analysis

Batch: 2010043 - 202

Blank(2010043-BLK1)						
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Abamectin	< LOQ	0.4	ppm		03/06/20 12:07	03/08/20 21:39
DDVP (Dichlorvos)	< LOQ	0.05	ppm		03/06/20 12:07	03/08/20 19:48
Acephate	< LOQ	0.05	ppm		03/06/20 12:07	03/08/20 21:39
Acequinocyl	< LOQ	0.4	ppm		03/06/20 12:07	03/08/20 21:39
Acetamiprid	< LOQ	0.05	ppm		03/06/20 12:07	03/08/20 21:39
Aldicarb	< LOQ	0.05	ppm		03/06/20 12:07	03/08/20 21:39
Azoxystrobin	< LOQ	0.05	ppm		03/06/20 12:07	03/08/20 21:39
Bifenazate	< LOQ	0.05	ppm		03/06/20 12:07	03/08/20 21:39
Bifenthrin	< LOQ	0.05	ppm		03/06/20 12:07	03/08/20 19:48
Boscalid	< LOQ	0.05	ppm		03/06/20 12:07	03/08/20 19:48
Carbaryl	< LOQ	0.05	ppm		03/06/20 12:07	03/08/20 21:39
Carbofuran	< LOQ	0.05	ppm		03/06/20 12:07	03/08/20 21:39
Chlorantraniliprole	< LOQ	0.05	ppm		03/06/20 12:07	03/08/20 21:39



Russell Kuhfeld

Russell Kuhfeld
Quality Officer - 3/9/2020

All QC samples met acceptance criteria of the method; data available upon request. These results relate only to the sample included on this report. The report may not be reproduced except in full, without the written permission of Green Leaf Lab.



Quality Control Pesticide Analysis (Continued)

Batch: 2010043 - 202 (Continued)

Blank(2010043-BLK1)						
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Chlorfenapyr	< LOQ	0.4	ppm		03/06/20 12:07	03/08/20 19:48
Chlorpyrifos	< LOQ	0.05	ppm		03/06/20 12:07	03/08/20 21:39
Clofentezine	< LOQ	0.05	ppm		03/06/20 12:07	03/08/20 21:39
Daminozide	< LOQ	0.05	ppm		03/06/20 12:07	03/08/20 21:39
Cyfluthrin	< LOQ	0.05	ppm		03/06/20 12:07	03/08/20 19:48
Diazinon	< LOQ	0.05	ppm		03/06/20 12:07	03/08/20 21:39
Cypermethrin	< LOQ	0.4	ppm		03/06/20 12:07	03/08/20 19:48
Dimethoate	< LOQ	0.05	ppm		03/06/20 12:07	03/08/20 21:39
Ethoprophos	< LOQ	0.05	ppm		03/06/20 12:07	03/08/20 21:39
Etofenprox	< LOQ	0.05	ppm		03/06/20 12:07	03/08/20 21:39
Etoxazole	< LOQ	0.05	ppm		03/06/20 12:07	03/08/20 21:39
Fenoxycarb	< LOQ	0.05	ppm		03/06/20 12:07	03/08/20 21:39
Fenpyroximate	< LOQ	0.05	ppm		03/06/20 12:07	03/08/20 21:39
Fonicamid	< LOQ	0.05	ppm		03/06/20 12:07	03/08/20 21:39
Fludioxonil	< LOQ	0.05	ppm		03/06/20 12:07	03/08/20 21:39
Hexythiazox	< LOQ	0.1	ppm		03/06/20 12:07	03/08/20 21:39
Imazalil	< LOQ	0.05	ppm		03/06/20 12:07	03/08/20 21:39
Fipronil	< LOQ	0.1	ppm		03/06/20 12:07	03/08/20 19:48
Imidacloprid	< LOQ	0.05	ppm		03/06/20 12:07	03/08/20 21:39
Malathion	< LOQ	0.05	ppm		03/06/20 12:07	03/08/20 21:39
Fludioxonil	< LOQ	0.05	ppm		03/06/20 12:07	03/08/20 19:48
Metalaxyl	< LOQ	0.05	ppm		03/06/20 12:07	03/08/20 21:39
Methiocarb	< LOQ	0.05	ppm		03/06/20 12:07	03/08/20 21:39
Methomyl	< LOQ	0.05	ppm		03/06/20 12:07	03/08/20 21:39
Myclobutanil	< LOQ	0.05	ppm		03/06/20 12:07	03/08/20 21:39
Kresoxim-methyl	< LOQ	0.1	ppm		03/06/20 12:07	03/08/20 19:48
Naled	< LOQ	0.05	ppm		03/06/20 12:07	03/08/20 21:39
Malathion	< LOQ	0.05	ppm		03/06/20 12:07	03/08/20 19:48
Oxamyl	< LOQ	0.05	ppm		03/06/20 12:07	03/08/20 21:39
Paclobutrazol	< LOQ	0.05	ppm		03/06/20 12:07	03/08/20 21:39
Methyl parathion	< LOQ	0.05	ppm		03/06/20 12:07	03/08/20 19:48
MGK-264	< LOQ	0.05	ppm		03/06/20 12:07	03/08/20 19:48
Phosmet	< LOQ	0.05	ppm		03/06/20 12:07	03/08/20 21:39
Piperonyl butoxide	< LOQ	0.8	ppm		03/06/20 12:07	03/08/20 21:39
Prallethrin	< LOQ	0.05	ppm		03/06/20 12:07	03/08/20 21:39
Propoxur	< LOQ	0.05	ppm		03/06/20 12:07	03/08/20 21:39
Permethrins	< LOQ	0.05	ppm		03/06/20 12:07	03/08/20 19:48
Pyrethrins	< LOQ	0.05	ppm		03/06/20 12:07	03/08/20 21:39



Russell Kuhfeld

Russell Kuhfeld
Quality Officer - 3/9/2020

All QC samples met acceptance criteria of the method; data available upon request. These results relate only to the sample included on this report. The report may not be reproduced except in full, without the written permission of Green Leaf Lab.



Quality Control Pesticide Analysis (Continued)

Batch: 2010043 - 202 (Continued)

Blank(2010043-BLK1)						
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Pyridaben	< LOQ	0.05	ppm		03/06/20 12:07	03/08/20 21:39
Propiconazole	< LOQ	0.05	ppm		03/06/20 12:07	03/08/20 19:48
Spinosad	< LOQ	0.05	ppm		03/06/20 12:07	03/08/20 21:39
Spiromesifen	< LOQ	0.05	ppm		03/06/20 12:07	03/08/20 21:39
Spirotetramat	< LOQ	0.05	ppm		03/06/20 12:07	03/08/20 21:39
Spiroxamine	< LOQ	0.05	ppm		03/06/20 12:07	03/08/20 21:39
Tebuconazole	< LOQ	0.05	ppm		03/06/20 12:07	03/08/20 21:39
Thiacloprid	< LOQ	0.05	ppm		03/06/20 12:07	03/08/20 21:39
Thiamethoxam	< LOQ	0.05	ppm		03/06/20 12:07	03/08/20 21:39
Trifloxystrobin	< LOQ	0.05	ppm		03/06/20 12:07	03/08/20 21:39

LCS(2010043-BS1)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Abamectin	68.0	0.4	ppm	70-130	03/06/20 12:07	03/08/20 22:02
DDVP (Dichlorvos)	98.5	0.05	ppm	70-130	03/06/20 12:07	03/08/20 20:11
Acephate	112	0.05	ppm	70-130	03/06/20 12:07	03/08/20 22:02
Acequinocyl	38.2	0.4	ppm	5.57-33.8	03/06/20 12:07	03/08/20 22:02
Acetamiprid	112	0.05	ppm	70-130	03/06/20 12:07	03/08/20 22:02
Aldicarb	110	0.05	ppm	70-130	03/06/20 12:07	03/08/20 22:02
Azoxystrobin	109	0.05	ppm	70-130	03/06/20 12:07	03/08/20 22:02
Bifenazate	120	0.05	ppm	70-130	03/06/20 12:07	03/08/20 22:02
Bifenthrin	97.5	0.05	ppm	70-130	03/06/20 12:07	03/08/20 20:11
Boscalid	109	0.05	ppm	70-130	03/06/20 12:07	03/08/20 20:11
Carbaryl	105	0.05	ppm	70-130	03/06/20 12:07	03/08/20 22:02
Carbofuran	109	0.05	ppm	70-130	03/06/20 12:07	03/08/20 22:02
Chlorantraniliprole	221	0.05	ppm	70-130	03/06/20 12:07	03/08/20 22:02
Chlorfenapyr	117	0.4	ppm	70-130	03/06/20 12:07	03/08/20 20:11
Chlorpyrifos	100	0.05	ppm	70-130	03/06/20 12:07	03/08/20 22:02
Clofentezine	22.1	0.05	ppm	14.4-62.3	03/06/20 12:07	03/08/20 22:02
Daminozide	465	0.05	ppm	0-100	03/06/20 12:07	03/08/20 22:02
Cyfluthrin	97.3	0.05	ppm	70-130	03/06/20 12:07	03/08/20 20:11
Diazinon	105	0.05	ppm	70-130	03/06/20 12:07	03/08/20 22:02
Cypermethrin	123	0.4	ppm	70-130	03/06/20 12:07	03/08/20 20:11
Dimethoate	108	0.05	ppm	70-130	03/06/20 12:07	03/08/20 22:02
Ethoprophos	107	0.05	ppm	70-130	03/06/20 12:07	03/08/20 22:02
Etofenprox	99.5	0.05	ppm	70-130	03/06/20 12:07	03/08/20 22:02
Etoxazole	108	0.05	ppm	70-130	03/06/20 12:07	03/08/20 22:02
Fenoxycarb	117	0.05	ppm	70-130	03/06/20 12:07	03/08/20 22:02
Fenpyroximate	77.4	0.05	ppm	70-130	03/06/20 12:07	03/08/20 22:02



Russell Kuhfeld

Russell Kuhfeld
Quality Officer - 3/9/2020

All QC samples met acceptance criteria of the method; data available upon request. These results relate only to the sample included on this report. The report may not be reproduced except in full, without the written permission of Green Leaf Lab.



Quality Control Pesticide Analysis (Continued)

Batch: 2010043 - 202 (Continued)

LCS(2010043-BS1)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Fonicamid	111	0.05	ppm	70-130	03/06/20 12:07	03/08/20 22:02
Fludioxonil	104	0.05	ppm	70-130	03/06/20 12:07	03/08/20 22:02
Hexythiazox	110	0.1	ppm	70-130	03/06/20 12:07	03/08/20 22:02
Imazalil	90.1	0.05	ppm	57.9-96.4	03/06/20 12:07	03/08/20 22:02
Fipronil	117	0.1	ppm	70-130	03/06/20 12:07	03/08/20 20:11
Imidacloprid	116	0.05	ppm	70-130	03/06/20 12:07	03/08/20 22:02
Malathion	103	0.05	ppm	70-130	03/06/20 12:07	03/08/20 22:02
Fludioxonil	114	0.05	ppm	70-130	03/06/20 12:07	03/08/20 20:11
Metalaxyl	109	0.05	ppm	70-130	03/06/20 12:07	03/08/20 22:02
Methiocarb	106	0.05	ppm	70-130	03/06/20 12:07	03/08/20 22:02
Methomyl	111	0.05	ppm	70-130	03/06/20 12:07	03/08/20 22:02
Myclobutanil	112	0.05	ppm	70-130	03/06/20 12:07	03/08/20 22:02
Kresoxim-methyl	110	0.1	ppm	70-130	03/06/20 12:07	03/08/20 20:11
Naled	106	0.05	ppm	70-130	03/06/20 12:07	03/08/20 22:02
Malathion	104	0.05	ppm	70-130	03/06/20 12:07	03/08/20 20:11
Oxamyl	112	0.05	ppm	70-130	03/06/20 12:07	03/08/20 22:02
Paclobutrazol	106	0.05	ppm	70-130	03/06/20 12:07	03/08/20 22:02
Methyl parathion	104	0.05	ppm	70-130	03/06/20 12:07	03/08/20 20:11
MGK-264	111	0.05	ppm	70-130	03/06/20 12:07	03/08/20 20:11
Phosmet	106	0.05	ppm	70-130	03/06/20 12:07	03/08/20 22:02
Piperonyl butoxide	97.7	0.8	ppm	70-130	03/06/20 12:07	03/08/20 22:02
Prallethrin	110	0.05	ppm	70-130	03/06/20 12:07	03/08/20 22:02
Propoxur	110	0.05	ppm	70-130	03/06/20 12:07	03/08/20 22:02
Permethrins	105	0.05	ppm	70-130	03/06/20 12:07	03/08/20 20:11
Pyrethrins	61.8	0.05	ppm	70-130	03/06/20 12:07	03/08/20 22:02
Pyridaben	103	0.05	ppm	70-130	03/06/20 12:07	03/08/20 22:02
Propiconazole	98.2	0.05	ppm	70-130	03/06/20 12:07	03/08/20 20:11
Spinosad	80.9	0.05	ppm	70-130	03/06/20 12:07	03/08/20 22:02
Spiromesifen	113	0.05	ppm	70-130	03/06/20 12:07	03/08/20 22:02
Spirotetramat	117	0.05	ppm	70-130	03/06/20 12:07	03/08/20 22:02
Spiroxamine	104	0.05	ppm	70-130	03/06/20 12:07	03/08/20 22:02
Tebuconazole	96.3	0.05	ppm	70-130	03/06/20 12:07	03/08/20 22:02
Thiacloprid	108	0.05	ppm	70-130	03/06/20 12:07	03/08/20 22:02
Thiamethoxam	112	0.05	ppm	70-130	03/06/20 12:07	03/08/20 22:02
Trifloxystrobin	112	0.05	ppm	70-130	03/06/20 12:07	03/08/20 22:02

Solvent Analysis

Batch: 2010036 - 205



ISO 17025
ACCREDITED
LABORATORY

Russell Kuhfeld

Russell Kuhfeld
Quality Officer - 3/9/2020

All QC samples met acceptance criteria of the method; data available upon request. These results relate only to the sample included on this report. The report may not be reproduced except in full, without the written permission of Green Leaf Lab.



Quality Control Solvent Analysis (Continued)

Batch: 2010036 - 205 (Continued)

Blank(2010036-BLK1)						
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Acetone	< LOQ	1000	ppm		03/04/20 15:33	03/06/20 08:59
Acetonitrile	< LOQ	50.00	ppm		03/04/20 15:33	03/06/20 08:59
Benzene	< LOQ	1.000	ppm		03/04/20 15:33	03/06/20 08:59
Butanes	< LOQ	1000	ppm		03/04/20 15:33	03/06/20 08:59
2-Butanol	< LOQ	1000	ppm		03/04/20 15:33	03/06/20 08:59
Cumene	< LOQ	35.00	ppm		03/04/20 15:33	03/06/20 08:59
Cyclohexane	< LOQ	50.00	ppm		03/04/20 15:33	03/06/20 08:59
Dichloromethane	< LOQ	50.00	ppm		03/04/20 15:33	03/06/20 08:59
1,4-Dioxane	< LOQ	50.00	ppm		03/04/20 15:33	03/06/20 08:59
2-Ethoxyethanol	< LOQ	80.00	ppm		03/04/20 15:33	03/06/20 08:59
Ethyl acetate	< LOQ	1000	ppm		03/04/20 15:33	03/06/20 08:59
Ethyl benzene	< LOQ	35.00	ppm		03/04/20 15:33	03/06/20 08:59
Ethylene glycol	< LOQ	310.0	ppm		03/04/20 15:33	03/06/20 08:59
Ethylene oxide	< LOQ	25.00	ppm		03/04/20 15:33	03/06/20 08:59
Ethyl ether	< LOQ	1000	ppm		03/04/20 15:33	03/06/20 08:59
Heptane	< LOQ	1000	ppm		03/04/20 15:33	03/06/20 08:59
Hexanes	< LOQ	50.00	ppm		03/04/20 15:33	03/06/20 08:59
Isopropyl acetate	< LOQ	1000	ppm		03/04/20 15:33	03/06/20 08:59
Methanol	< LOQ	1000	ppm		03/04/20 15:33	03/06/20 08:59
Pentanes	< LOQ	1000	ppm		03/04/20 15:33	03/06/20 08:59
Propane	< LOQ	1000	ppm		03/04/20 15:33	03/06/20 08:59
2-Propanol (IPA)	< LOQ	1000	ppm		03/04/20 15:33	03/06/20 08:59
Tetrahydrofuran	< LOQ	50.00	ppm		03/04/20 15:33	03/06/20 08:59
Toluene	< LOQ	50.00	ppm		03/04/20 15:33	03/06/20 08:59
Xylenes	< LOQ	50.00	ppm		03/04/20 15:33	03/06/20 08:59

LCS(2010036-BS1)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Acetone	107	1000	ppm	70-130	03/04/20 15:33	03/06/20 07:11
Acetonitrile	109	50.00	ppm	70-130	03/04/20 15:33	03/06/20 07:11
Benzene		1.000	ppm	70-130	03/04/20 15:33	03/06/20 07:11
n-Butane	103	50.00	ppm	70-130	03/04/20 15:33	03/06/20 07:11
Butanes	102	1000	ppm	70-130	03/04/20 15:33	03/06/20 07:11
2-Butanol	108	1000	ppm	70-130	03/04/20 15:33	03/06/20 07:11
Cumene	127	35.00	ppm	70-130	03/04/20 15:33	03/06/20 07:11
Cyclohexane	110	50.00	ppm	70-130	03/04/20 15:33	03/06/20 07:11
Dichloromethane	113	50.00	ppm	70-130	03/04/20 15:33	03/06/20 07:11
1,4-Dioxane	112	50.00	ppm	70-130	03/04/20 15:33	03/06/20 07:11
2-Ethoxyethanol	111	80.00	ppm	70-130	03/04/20 15:33	03/06/20 07:11



Russell Kuhfeld

Russell Kuhfeld
Quality Officer - 3/9/2020

All QC samples met acceptance criteria of the method; data available upon request. These results relate only to the sample included on this report. The report may not be reproduced except in full, without the written permission of Green Leaf Lab.



Quality Control Solvent Analysis (Continued)

Batch: 2010036 - 205 (Continued)

LCS(2010036-BS1)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Ethyl acetate	109	1000	ppm	70-130	03/04/20 15:33	03/06/20 07:11
Ethyl benzene	123	35.00	ppm	70-130	03/04/20 15:33	03/06/20 07:11
Ethylene glycol	103	310.0	ppm	70-130	03/04/20 15:33	03/06/20 07:11
Ethylene oxide	103	25.00	ppm	70-130	03/04/20 15:33	03/06/20 07:11
Ethyl ether	116	1000	ppm	70-130	03/04/20 15:33	03/06/20 07:11
Heptane	109	1000	ppm	70-130	03/04/20 15:33	03/06/20 07:11
n-Hexane	107	50.00	ppm	70-130	03/04/20 15:33	03/06/20 07:11
Hexanes	107	50.00	ppm	70-130	03/04/20 15:33	03/06/20 07:11
iso-Butane	102	50.00	ppm	70-130	03/04/20 15:33	03/06/20 07:11
Isopropyl acetate	109	1000	ppm	70-130	03/04/20 15:33	03/06/20 07:11
iso-Pentane	106	50.00	ppm	70-130	03/04/20 15:33	03/06/20 07:11
Methanol	80.7	1000	ppm	70-130	03/04/20 15:33	03/06/20 07:11
2-Methylpentane	107	50.00	ppm	70-130	03/04/20 15:33	03/06/20 07:11
3-Methylpentane	108	50.00	ppm	70-130	03/04/20 15:33	03/06/20 07:11
neo-Pentane	103	50.00	ppm	70-130	03/04/20 15:33	03/06/20 07:11
n-Pentane	113	50.00	ppm	70-130	03/04/20 15:33	03/06/20 07:11
Pentanes	107	1000	ppm	70-130	03/04/20 15:33	03/06/20 07:11
Propane	94.0	1000	ppm	70-130	03/04/20 15:33	03/06/20 07:11
2-Propanol (IPA)	109	1000	ppm	70-130	03/04/20 15:33	03/06/20 07:11
Tetrahydrofuran	109	50.00	ppm	70-130	03/04/20 15:33	03/06/20 07:11
Toluene	111	50.00	ppm	70-130	03/04/20 15:33	03/06/20 07:11

Terpene Analysis

Batch: 2010038 - 215-Concentrates

Blank(2010038-BLK2)						
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed
alpha-Bisabolol	< LOQ	4.000E-4	%		03/04/20 15:43	03/05/20 19:51
Camphene	< LOQ	4.000E-4	%		03/04/20 15:43	03/05/20 19:51
Camphor	< LOQ	4.000E-4	%		03/04/20 15:43	03/05/20 19:51
3-Carene	< LOQ	4.000E-4	%		03/04/20 15:43	03/05/20 19:51
beta-Caryophyllene	< LOQ	4.000E-4	%		03/04/20 15:43	03/05/20 19:51
Caryophyllene Oxide	< LOQ	4.000E-4	%		03/04/20 15:43	03/05/20 19:51
alpha-Cedrene	< LOQ	4.000E-4	%		03/04/20 15:43	03/05/20 19:51
Cedrol	< LOQ	4.000E-4	%		03/04/20 15:43	03/05/20 19:51
Endo-fenchyl alcohol	< LOQ	4.000E-4	%		03/04/20 15:43	03/05/20 19:51
Eucalyptol	< LOQ	4.000E-4	%		03/04/20 15:43	03/05/20 19:51
Fenchone	< LOQ	4.000E-4	%		03/04/20 15:43	03/05/20 19:51
Geraniol	< LOQ	4.000E-4	%		03/04/20 15:43	03/05/20 19:51



Russell Kuhfeld

Russell Kuhfeld
Quality Officer - 3/9/2020

All QC samples met acceptance criteria of the method; data available upon request. These results relate only to the sample included on this report. The report may not be reproduced except in full, without the written permission of Green Leaf Lab.



Quality Control Terpene Analysis (Continued)

Batch: 2010038 - 215-Concentrates (Continued)

Blank(2010038-BLK2)						
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Geranyl acetate	< LOQ	4.000E-4	%		03/04/20 15:43	03/05/20 19:51
Guaiol	< LOQ	4.000E-4	%		03/04/20 15:43	03/05/20 19:51
Hexahydrothymol	< LOQ	4.000E-4	%		03/04/20 15:43	03/05/20 19:51
alpha-Humulene	< LOQ	4.000E-4	%		03/04/20 15:43	03/05/20 19:51
Isoborneol	< LOQ	4.000E-4	%		03/04/20 15:43	03/05/20 19:51
Isopulegol	< LOQ	4.000E-4	%		03/04/20 15:43	03/05/20 19:51
Limonene	< LOQ	4.000E-4	%		03/04/20 15:43	03/05/20 19:51
Linalool	< LOQ	4.000E-4	%		03/04/20 15:43	03/05/20 19:51
p-Mentha-1,5-diene	< LOQ	4.000E-4	%		03/04/20 15:43	03/05/20 19:51
beta-Myrcene	< LOQ	4.000E-4	%		03/04/20 15:43	03/05/20 19:51
trans-Nerolidol	< LOQ	4.000E-4	%		03/04/20 15:43	03/05/20 19:51
alpha-Pinene	< LOQ	4.000E-4	%		03/04/20 15:43	03/05/20 19:51
beta-Pinene	< LOQ	4.000E-4	%		03/04/20 15:43	03/05/20 19:51
Pulegone	< LOQ	4.000E-4	%		03/04/20 15:43	03/05/20 19:51
Sabinene	< LOQ	4.000E-4	%		03/04/20 15:43	03/05/20 19:51
Sabinene hydrate	< LOQ	4.000E-4	%		03/04/20 15:43	03/05/20 19:51
gamma-Terpinene	< LOQ	4.000E-4	%		03/04/20 15:43	03/05/20 19:51
alpha-Terpinene	< LOQ	4.000E-4	%		03/04/20 15:43	03/05/20 19:51
Terpineol	< LOQ	4.000E-4	%		03/04/20 15:43	03/05/20 19:51
Terpinolene	< LOQ	4.000E-4	%		03/04/20 15:43	03/05/20 19:51
Valencene	< LOQ	4.000E-4	%		03/04/20 15:43	03/05/20 19:51
B Y-Terpineol	< LOQ	4.000E-4	%		03/04/20 15:43	03/05/20 19:51
Nerol	< LOQ	4.000E-4	%		03/04/20 15:43	03/05/20 19:51
A-Terpineol	< LOQ	4.000E-4	%		03/04/20 15:43	03/05/20 19:51
cis-Nerolidol	< LOQ	4.000E-4	%		03/04/20 15:43	03/05/20 19:51
Borneol	< LOQ	4.000E-4	%		03/04/20 15:43	03/05/20 19:51
Ocimene isomer II	< LOQ	4.000E-4	%		03/04/20 15:43	03/05/20 19:51
Ocimene isomer I	< LOQ	4.000E-4	%		03/04/20 15:43	03/05/20 19:51

Reference(2010038-SRM2)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
beta-Caryophyllene	87.2	1.927E-4	%	70-130	03/04/20 15:43	03/05/20 20:33
alpha-Humulene	93.4	1.927E-4	%	70-130	03/04/20 15:43	03/05/20 20:33
Limonene	99.6	1.927E-4	%	70-130	03/04/20 15:43	03/05/20 20:33
beta-Myrcene	98.2	1.927E-4	%	70-130	03/04/20 15:43	03/05/20 20:33
Terpinolene	101	1.927E-4	%	70-130	03/04/20 15:43	03/05/20 20:33



Russell Kuhfeld

Russell Kuhfeld
Quality Officer - 3/9/2020

All QC samples met acceptance criteria of the method; data available upon request. These results relate only to the sample included on this report. The report may not be reproduced except in full, without the written permission of Green Leaf Lab.