



Green Leaf Lab®

12025 NE Marx St. Portland, OR 97220
503-253-3511 / www.greenleaflabs.com
License#: 10029074C70

Quality Control Testing Official Report

Pure CBD Oil

Sample ID: G0A0387-01

Matrix: Products

Test ID: 5000906

Source ID: 20-0107-1

Date Sampled: 01/27/20

Date Accepted: 01/27/20

Mission Farms CBD

Results at a Glance

Total THC : 0.0948 %

Total CBD : 3.474 %

Total Terpenes : 0.7378 % PASS



Russell Kuhfeld

Russell Kuhfeld
Quality Officer - 2/4/2020

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.

Lab results apply to the sample as received, samples were not collected per OAR 333-007 requirements



Green Leaf Lab®

12025 NE Marx St. Portland, OR 97220
 503-253-3511 / www.greenleaflabs.com
 License#: 10029074C70

Quality Control Testing Official Report

Pure CBD Oil

Sample ID: G0A0387-01

Matrix: Products

Test ID: 5000906

Source ID: 20-0107-1

Date Sampled: 01/27/20

Date Accepted: 01/27/20

Mission Farms CBD

Potency Analysis

Date/Time Extracted: 01/27/20 14:42

Analysis Method/SOP: 215

Batch Identification: 2005017

Cannabinoids	LOQ (%)	mg/g	mg/unit	Cannabinoids Profile
Total THC	0.0451	0.948	27.5	
Total CBD	0.1176	34.74	1010	
THCA	0.0651	< LOQ	< LOQ	
delta 9-THC	0.0451	0.948	27.5	
THCV	0.0442	< LOQ	< LOQ	
THCVA	0.0662	< LOQ	< LOQ	
CBD	0.1176	34.74	1010	
CBDA	0.1621	< LOQ	< LOQ	
CBDV	0.0455	< LOQ	< LOQ	
CBDVA	0.0625	< LOQ	< LOQ	
CBN	0.0409	< LOQ	< LOQ	
CBG	0.0475	0.825	23.9	
CBGA	0.0630	< LOQ	< LOQ	
CBC	0.0797	1.22	35.4	

Unit weight = 29 g as provided by client

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.



ISO 17025
ACCREDITED
LABORATORY

Russell Kuhfeld

Russell Kuhfeld
 Quality Officer - 2/4/2020

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.

Lab results apply to the sample as received, samples were not collected per OAR 333-007 requirements



Pure CBD Oil

Sample ID: G0A0387-01

Matrix: Products

Test ID: 5000906

Source ID: 20-0107-1

Date Sampled: 01/27/20

Date Accepted: 01/27/20

Mission Farms CBD

Terpene Analysis

Date/Time Extracted: 01/27/20 14:42

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	< LOQ	< LOQ
Eucalyptol	0.07185	0.7185	Fenchone	< LOQ	< LOQ
Geraniol	< LOQ	< LOQ	Geranyl acetate	< LOQ	< LOQ
Hexahydrothymol	0.5196	5.196	Isoborneol	< LOQ	< LOQ
Isopulegol	< LOQ	< LOQ	Limonene	0.03343	0.3343
Linalool	< LOQ	< LOQ	p-Mentha-1,5-diene	< LOQ	< LOQ
beta-Myrcene	< LOQ	< LOQ	alpha-Pinene	< LOQ	< LOQ
beta-Pinene	0.007682	0.07682	Pulegone	0.03733	0.3733
Sabinene	< LOQ	< LOQ	Sabinene hydrate	< LOQ	< LOQ
gamma-Terpinene	< LOQ	< LOQ	alpha-Terpinene	< LOQ	< LOQ
Terpineol	< LOQ	< LOQ	Terpinolene	< LOQ	< LOQ
B Y-Terpineol	< LOQ	< LOQ	Nerol	< LOQ	< LOQ
A-Terpineol	< LOQ	< LOQ	Borneol	< LOQ	< LOQ
Ocimene isomer II	< LOQ	< LOQ	Ocimene isomer I	< LOQ	< LOQ
Sesquiterpenes	%	mg/g	Sesquiterpenes	%	mg/g
alpha-Bisabolol	0.02884	0.2884	beta-Caryophyllene	0.03903	0.3903
Caryophyllene Oxide	< LOQ	< LOQ	Guaiol	< LOQ	< LOQ
alpha-Humulene	< LOQ	< LOQ	trans-Nerolidol	< LOQ	< LOQ
Valencene	< LOQ	< LOQ	cis-Nerolidol	< LOQ	< LOQ
Total Terpenes	0.7378	7.378			

<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 - 2/4/2020

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.

Lab results apply to the sample as received, samples were not collected per OAR 333-007 requirements



Green Leaf Lab®

12025 NE Marx St. Portland, OR 97220
503-253-3511 / www.greenleaflabs.com
License#: 10029074C70

Quality Control Testing Official Report

Pure CBD Oil

Sample ID: G0A0387-01

Matrix: Products

Test ID: 5000906

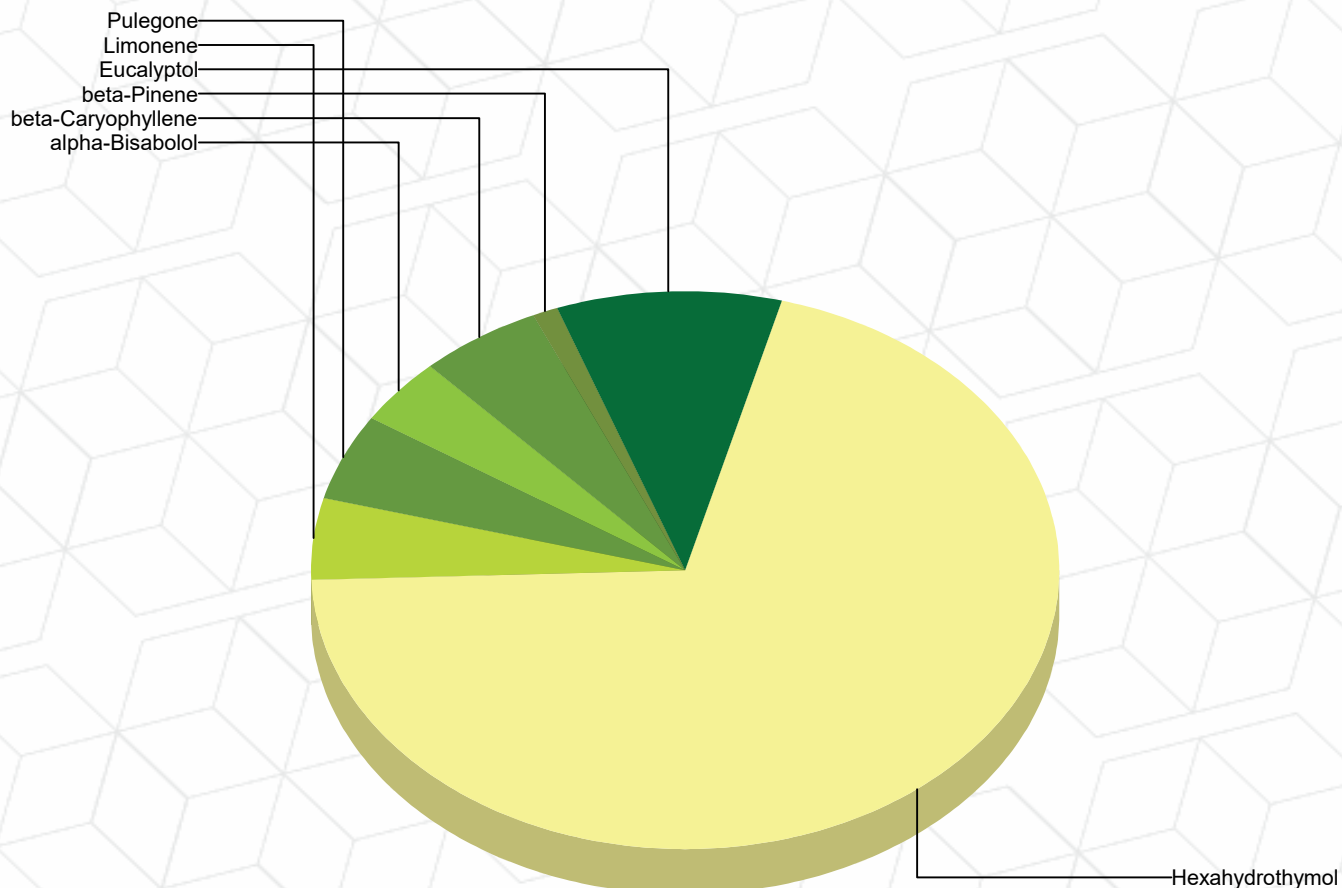
Source ID: 20-0107-1

Date Sampled: 01/27/20

Date Accepted: 01/27/20

Mission Farms CBD

Terpene Profile



Percentage of Total Terpenes Identified



Russell Kuhfeld

Russell Kuhfeld
Quality Officer - 2/4/2020

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.

Lab results apply to the sample as received, samples were not collected per OAR 333-007 requirements



Green Leaf Lab®

12025 NE Marx St. Portland, OR 97220
503-253-3511 / www.greenleaflabs.com
License#: 10029074C70

Quality Control Testing Official Report

Quality Control Potency

Batch: 2005017 - 215-Products

Blank(2005017-BLK1)						
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed
THCA	< LOQ	0.0221	%		01/27/20 14:42	01/27/20 22:24
delta 9-THC	< LOQ	0.0153	%		01/27/20 14:42	01/27/20 22:24
THCV	< LOQ	0.0150	%		01/27/20 14:42	01/27/20 22:24
THCVA	< LOQ	0.0224	%		01/27/20 14:42	01/27/20 22:24
CBD	< LOQ	0.0159	%		01/27/20 14:42	01/27/20 22:24
CBDA	< LOQ	0.0220	%		01/27/20 14:42	01/27/20 22:24
CBDV	< LOQ	0.0154	%		01/27/20 14:42	01/27/20 22:24
CBDVA	< LOQ	0.0212	%		01/27/20 14:42	01/27/20 22:24
CBN	< LOQ	0.0138	%		01/27/20 14:42	01/27/20 22:24
CBG	< LOQ	0.0161	%		01/27/20 14:42	01/27/20 22:24
CBGA	< LOQ	0.0213	%		01/27/20 14:42	01/27/20 22:24
CBC	< LOQ	0.0270	%		01/27/20 14:42	01/27/20 22:24

Reference(2005017-SRM1)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
delta 9-THC	88.4	0.0153	%	80-120	01/27/20 14:42	01/27/20 22:47
CBD	89.4	0.0159	%	80-120	01/27/20 14:42	01/27/20 22:47



Russell Kuhfeld

Russell Kuhfeld
Quality Officer - 2/4/2020

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.

Lab results apply to the sample as received, samples were not collected per OAR 333-007 requirements



CBD/Hemp Distillate

Sample ID: G0A0387-05

Matrix: Extracts & Concentrates

Test ID: 5000910

Source ID: 12.2020

Date Sampled: 01/27/20

Date Accepted: 01/27/20

Mission Farms CBD

Results at a Glance

Pesticides : PASS

Residual Solvent Analysis : PASS

Total Colonies : <LOQ cfu/g PASS

METALS : PASS



CBD/Hemp Distillate

Sample ID: G0A0387-05

Matrix: Extracts & Concentrates

Test ID: 5000910

Source ID: 12.2020

Date Sampled: 01/27/20

Date Accepted: 01/27/20

Mission Farms CBD

Pesticide Analysis in ppm

Date/Time Extracted: 01/28/20 10:24
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
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 - 1/30/2020

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.

Lab results apply to the sample as received, samples were not collected per OAR 333-007 requirements



CBD/Hemp Distillate

Sample ID: G0A0387-05

Matrix: Extracts & Concentrates

Test ID: 5000910

Source ID: 12.2020

Date Sampled: 01/27/20

Date Accepted: 01/27/20

Mission Farms CBD

Residual Solvents

Date/Time Extracted: 01/27/20 12:05

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 - 1/30/2020

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.

Lab results apply to the sample as received, samples were not collected per OAR 333-007 requirements



Green Leaf Lab®

12025 NE Marx St. Portland, OR 97220
503-253-3511 / www.greenleaflabs.com
License#: 10029074C70

Quality Control Testing Official Report

CBD/Hemp Distillate

Sample ID: G0A0387-05

Matrix: Extracts & Concentrates

Test ID: 5000910

Source ID: 12.2020

Date Sampled: 01/27/20

Date Accepted: 01/27/20

Mission Farms CBD

Metals Analysis by ICPMS

Date/Time Extracted: 01/28/20 11:52

Analysis Method/SOP: HM-001

Analyte	Result	LOD	LOQ	Units
Arsenic	< LOQ	0.01	0.05	ug/g
Cadmium	< LOQ	0.001	0.05	ug/g
Lead	0.08	0.002	0.05	ug/g
Mercury	< LOQ	0.004	0.01	ug/g

Metal analyses are not accredited to ORELAP TNI 2009 Quality Standards.
<LOQ - Results below the Limit of Quantitation - Compound not detected

Note from Mission Farms CBD:

While lead is detectable due to high precision testing equipment, these levels are well below regulations. This concentration is 3.5ppb in our tinctures, which is 1/4 the federal concentration limit for water and 1/340 the concentration limit for vape pens in the state of Washington.

Analysis Subcontracted to Green Leaf Labs - SCCA.



Russell Kuhfeld

Russell Kuhfeld
Quality Officer - 1/30/2020

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.
Lab results apply to the sample as received, samples were not collected per OAR 333-007 requirements



CBD/Hemp Distillate

Sample ID: G0A0387-05

Matrix: Extracts & Concentrates

Test ID: 5000910

Source ID: 12.2020

Date Sampled: 01/27/20

Date Accepted: 01/27/20

Mission Farms CBD

Molds and Fungi Screen

Date/Time Extracted: 01/27/20 14:51

Analysis Method/SOP: 301

Total Colonies: < LOQ CFU/g

This is not a doctor's recommendation. A large majority of samples fall within the 1400-8500 range.

Microbial colony counting is not accredited to ORELAP TNI 2009 or ISO 17025:2017 Quality Standards.



Green Leaf Lab®

12025 NE Marx St. Portland, OR 97220
503-253-3511 / www.greenleaflabs.com
License#: 10029074C70

Quality Control Testing Official Report

Quality Control Pesticide Analysis

Batch: 2005020 - 202

Blank(2005020-BLK1)						
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Abamectin	< LOQ	0.4	ppm		01/28/20 10:24	01/29/20 16:09
DDVP (Dichlorvos)	< LOQ	0.06	ppm		01/28/20 10:24	01/29/20 02:47
Acephate	< LOQ	0.06	ppm		01/28/20 10:24	01/29/20 16:09
Acequinocyl	< LOQ	0.4	ppm		01/28/20 10:24	01/29/20 16:09
Acetamiprid	< LOQ	0.06	ppm		01/28/20 10:24	01/29/20 16:09
Aldicarb	< LOQ	0.06	ppm		01/28/20 10:24	01/29/20 16:09
Azoxystrobin	< LOQ	0.06	ppm		01/28/20 10:24	01/29/20 16:09
Bifenazate	< LOQ	0.06	ppm		01/28/20 10:24	01/29/20 16:09
Bifenthrin	< LOQ	0.06	ppm		01/28/20 10:24	01/29/20 02:47
Boscalid	< LOQ	0.06	ppm		01/28/20 10:24	01/29/20 02:47
Carbaryl	< LOQ	0.06	ppm		01/28/20 10:24	01/29/20 16:09
Carbofuran	< LOQ	0.06	ppm		01/28/20 10:24	01/29/20 16:09
Chlorantraniliprole	< LOQ	0.06	ppm		01/28/20 10:24	01/29/20 16:09
Chlorfenapyr	< LOQ	0.4	ppm		01/28/20 10:24	01/29/20 02:47
Chlorpyrifos	< LOQ	0.06	ppm		01/28/20 10:24	01/29/20 16:09
Chlorpyrifos	< LOQ	0.06	ppm		01/28/20 10:24	01/29/20 02:47
Clofentezine	< LOQ	0.06	ppm		01/28/20 10:24	01/29/20 16:09
Daminozide	< LOQ	0.06	ppm		01/28/20 10:24	01/29/20 16:09
Cyfluthrin	< LOQ	0.06	ppm		01/28/20 10:24	01/29/20 02:47
Diazinon	< LOQ	0.06	ppm		01/28/20 10:24	01/29/20 16:09
Cypermethrin	< LOQ	0.4	ppm		01/28/20 10:24	01/29/20 02:47
Dimethoate	< LOQ	0.06	ppm		01/28/20 10:24	01/29/20 16:09
Ethoprophos	< LOQ	0.06	ppm		01/28/20 10:24	01/29/20 16:09
Etofenprox	< LOQ	0.06	ppm		01/28/20 10:24	01/29/20 16:09
Etoxazole	< LOQ	0.06	ppm		01/28/20 10:24	01/29/20 16:09
Fenoxycarb	< LOQ	0.06	ppm		01/28/20 10:24	01/29/20 16:09
Fenpyroximate	< LOQ	0.06	ppm		01/28/20 10:24	01/29/20 16:09
Flonicamid	< LOQ	0.06	ppm		01/28/20 10:24	01/29/20 16:09
Fludioxonil	< LOQ	0.06	ppm		01/28/20 10:24	01/29/20 16:09
Hexythiazox	< LOQ	0.1	ppm		01/28/20 10:24	01/29/20 16:09
Imazalil	< LOQ	0.06	ppm		01/28/20 10:24	01/29/20 16:09
Fipronil	< LOQ	0.1	ppm		01/28/20 10:24	01/29/20 02:47
Imidacloprid	< LOQ	0.06	ppm		01/28/20 10:24	01/29/20 16:09
Malathion	< LOQ	0.06	ppm		01/28/20 10:24	01/29/20 16:09
Fludioxonil	< LOQ	0.06	ppm		01/28/20 10:24	01/29/20 02:47
Metalaxyl	< LOQ	0.06	ppm		01/28/20 10:24	01/29/20 16:09
Methiocarb	< LOQ	0.06	ppm		01/28/20 10:24	01/29/20 16:09
Methomyl	< LOQ	0.06	ppm		01/28/20 10:24	01/29/20 16:09



Russell Kuhfeld

Russell Kuhfeld
Quality Officer - 1/30/2020

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.

Lab results apply to the sample as received, samples were not collected per OAR 333-007 requirements



Quality Control Pesticide Analysis (Continued)

Batch: 2005020 - 202 (Continued)

Blank(2005020-BLK1)						
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Myclobutanil	< LOQ	0.06	ppm		01/28/20 10:24	01/29/20 16:09
Kresoxim-methyl	< LOQ	0.1	ppm		01/28/20 10:24	01/29/20 02:47
Naled	< LOQ	0.06	ppm		01/28/20 10:24	01/29/20 16:09
Malathion	< LOQ	0.06	ppm		01/28/20 10:24	01/29/20 02:47
Oxamyl	< LOQ	0.06	ppm		01/28/20 10:24	01/29/20 16:09
Paclobutrazol	< LOQ	0.06	ppm		01/28/20 10:24	01/29/20 16:09
Methyl parathion	< LOQ	0.06	ppm		01/28/20 10:24	01/29/20 02:47
MGK-264	< LOQ	0.06	ppm		01/28/20 10:24	01/29/20 02:47
Phosmet	< LOQ	0.06	ppm		01/28/20 10:24	01/29/20 16:09
Piperonyl butoxide	< LOQ	0.9	ppm		01/28/20 10:24	01/29/20 16:09
Prallethrin	< LOQ	0.06	ppm		01/28/20 10:24	01/29/20 16:09
Propoxur	< LOQ	0.06	ppm		01/28/20 10:24	01/29/20 16:09
Permethrins	< LOQ	0.06	ppm		01/28/20 10:24	01/29/20 02:47
Pyrethrins	< LOQ	0.06	ppm		01/28/20 10:24	01/29/20 16:09
Pyridaben	< LOQ	0.06	ppm		01/28/20 10:24	01/29/20 16:09
Propiconazole	< LOQ	0.06	ppm		01/28/20 10:24	01/29/20 02:47
Spinosad	< LOQ	0.06	ppm		01/28/20 10:24	01/29/20 16:09
Spiromesifen	< LOQ	0.06	ppm		01/28/20 10:24	01/29/20 16:09
Spirotetramat	< LOQ	0.06	ppm		01/28/20 10:24	01/29/20 16:09
Spiroxamine	< LOQ	0.06	ppm		01/28/20 10:24	01/29/20 16:09
Tebuconazole	< LOQ	0.06	ppm		01/28/20 10:24	01/29/20 16:09
Thiacloprid	< LOQ	0.06	ppm		01/28/20 10:24	01/29/20 16:09
Thiamethoxam	< LOQ	0.06	ppm		01/28/20 10:24	01/29/20 16:09
Trifloxystrobin	< LOQ	0.06	ppm		01/28/20 10:24	01/29/20 16:09

LCS(2005020-BS1)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Abamectin	92.8	0.4	ppm	70-130	01/28/20 10:24	01/29/20 16:32
DDVP (Dichlorvos)	85.7	0.06	ppm	70-130	01/28/20 10:24	01/29/20 03:09
Acephate	101	0.06	ppm	70-130	01/28/20 10:24	01/29/20 16:32
Acequinocyl	31.5	0.4	ppm	5.57-33.8	01/28/20 10:24	01/29/20 16:32
Acetamiprid	90.3	0.06	ppm	70-130	01/28/20 10:24	01/29/20 16:32
Aldicarb	92.1	0.06	ppm	70-130	01/28/20 10:24	01/29/20 16:32
Azoxystrobin	91.0	0.06	ppm	70-130	01/28/20 10:24	01/29/20 16:32
Bifenazate	73.2	0.06	ppm	70-130	01/28/20 10:24	01/29/20 16:32
Bifenthrin	115	0.06	ppm	70-130	01/28/20 10:24	01/29/20 03:09
Boscalid	80.6	0.06	ppm	70-130	01/28/20 10:24	01/29/20 03:09
Carbaryl	88.6	0.06	ppm	70-130	01/28/20 10:24	01/29/20 16:32
Carbofuran	88.8	0.06	ppm	70-130	01/28/20 10:24	01/29/20 16:32



Russell Kuhfeld

Russell Kuhfeld
Quality Officer - 1/30/2020

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.

Lab results apply to the sample as received, samples were not collected per OAR 333-007 requirements



Quality Control Pesticide Analysis (Continued)

Batch: 2005020 - 202 (Continued)

LCS(2005020-BS1)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Chlorantraniliprole	59.4	0.06	ppm	70-130	01/28/20 10:24	01/29/20 16:32
Chlorfenapyr	126	0.4	ppm	70-130	01/28/20 10:24	01/29/20 03:09
Chlorpyrifos	66.0	0.06	ppm	70-130	01/28/20 10:24	01/29/20 16:32
Chlorpyrifos	95.7	0.06	ppm	70-130	01/28/20 10:24	01/29/20 03:09
Clofentezine	16.8	0.06	ppm	14.4-62.3	01/28/20 10:24	01/29/20 16:32
Daminozide	1110	0.06	ppm	0-100	01/28/20 10:24	01/29/20 16:32
Cyfluthrin	101	0.06	ppm	70-130	01/28/20 10:24	01/29/20 03:09
Diazinon	84.1	0.06	ppm	70-130	01/28/20 10:24	01/29/20 16:32
Cypermethrin	74.4	0.4	ppm	70-130	01/28/20 10:24	01/29/20 03:09
Dimethoate	90.3	0.06	ppm	70-130	01/28/20 10:24	01/29/20 16:32
Ethoprophos	86.8	0.06	ppm	70-130	01/28/20 10:24	01/29/20 16:32
Etofenprox	83.9	0.06	ppm	70-130	01/28/20 10:24	01/29/20 16:32
Etoxazole	86.2	0.06	ppm	70-130	01/28/20 10:24	01/29/20 16:32
Fenoxycarb	91.2	0.06	ppm	70-130	01/28/20 10:24	01/29/20 16:32
Fenpyroximate	55.7	0.06	ppm	70-130	01/28/20 10:24	01/29/20 16:32
Flonicamid	95.8	0.06	ppm	70-130	01/28/20 10:24	01/29/20 16:32
Fludioxonil	90.0	0.06	ppm	70-130	01/28/20 10:24	01/29/20 16:32
Hexythiazox	62.4	0.1	ppm	70-130	01/28/20 10:24	01/29/20 16:32
Imazalil	75.4	0.06	ppm	57.9-96.4	01/28/20 10:24	01/29/20 16:32
Fipronil	118	0.1	ppm	70-130	01/28/20 10:24	01/29/20 03:09
Imidacloprid	91.9	0.06	ppm	70-130	01/28/20 10:24	01/29/20 16:32
Malathion	87.7	0.06	ppm	70-130	01/28/20 10:24	01/29/20 16:32
Fludioxonil	86.6	0.06	ppm	70-130	01/28/20 10:24	01/29/20 03:09
Metalaxyl	91.4	0.06	ppm	70-130	01/28/20 10:24	01/29/20 16:32
Methiocarb	91.6	0.06	ppm	70-130	01/28/20 10:24	01/29/20 16:32
Methomyl	66.9	0.06	ppm	70-130	01/28/20 10:24	01/29/20 16:32
Myclobutanil	88.0	0.06	ppm	70-130	01/28/20 10:24	01/29/20 16:32
Kresoxim-methyl	107	0.1	ppm	70-130	01/28/20 10:24	01/29/20 03:09
Naled	148	0.06	ppm	70-130	01/28/20 10:24	01/29/20 16:32
Malathion	110	0.06	ppm	70-130	01/28/20 10:24	01/29/20 03:09
Oxamyl	94.9	0.06	ppm	70-130	01/28/20 10:24	01/29/20 16:32
Paclobutrazol	86.5	0.06	ppm	70-130	01/28/20 10:24	01/29/20 16:32
Methyl parathion	102	0.06	ppm	70-130	01/28/20 10:24	01/29/20 03:09
MGK-264	104	0.06	ppm	70-130	01/28/20 10:24	01/29/20 03:09
Phosmet	84.4	0.06	ppm	70-130	01/28/20 10:24	01/29/20 16:32
Piperonyl butoxide	84.0	0.9	ppm	70-130	01/28/20 10:24	01/29/20 16:32
Prallethrin	92.7	0.06	ppm	70-130	01/28/20 10:24	01/29/20 16:32
Propoxur	89.8	0.06	ppm	70-130	01/28/20 10:24	01/29/20 16:32



Russell Kuhfeld

Russell Kuhfeld
Quality Officer - 1/30/2020

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.

Lab results apply to the sample as received, samples were not collected per OAR 333-007 requirements



Quality Control Pesticide Analysis (Continued)

Batch: 2005020 - 202 (Continued)

LCS(2005020-BS1)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Permethrins	93.4	0.06	ppm	70-130	01/28/20 10:24	01/29/20 03:09
Pyrethrins	43.2	0.06	ppm	70-130	01/28/20 10:24	01/29/20 16:32
Pyridaben	85.2	0.06	ppm	70-130	01/28/20 10:24	01/29/20 16:32
Propiconazole	95.1	0.06	ppm	70-130	01/28/20 10:24	01/29/20 03:09
Spinosad	66.6	0.06	ppm	70-130	01/28/20 10:24	01/29/20 16:32
Spiromesifen	78.4	0.06	ppm	70-130	01/28/20 10:24	01/29/20 16:32
Spirotetramat	105	0.06	ppm	70-130	01/28/20 10:24	01/29/20 16:32
Spiroxamine	87.1	0.06	ppm	70-130	01/28/20 10:24	01/29/20 16:32
Tebuconazole	79.6	0.06	ppm	70-130	01/28/20 10:24	01/29/20 16:32
Thiacloprid	90.9	0.06	ppm	70-130	01/28/20 10:24	01/29/20 16:32
Thiamethoxam	94.8	0.06	ppm	70-130	01/28/20 10:24	01/29/20 16:32
Trifloxystrobin	89.0	0.06	ppm	70-130	01/28/20 10:24	01/29/20 16:32

Solvent Analysis

Batch: 2005013 - 205

Blank(2005013-BLK1)						
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Acetone	< LOQ	1000	ppm		01/27/20 12:05	01/28/20 09:25
Acetonitrile	< LOQ	50.00	ppm		01/27/20 12:05	01/28/20 09:25
Benzene	< LOQ	1.000	ppm		01/27/20 12:05	01/28/20 09:25
Butanes	< LOQ	1000	ppm		01/27/20 12:05	01/28/20 09:25
2-Butanol	< LOQ	1000	ppm		01/27/20 12:05	01/28/20 09:25
Cumene	< LOQ	35.00	ppm		01/27/20 12:05	01/28/20 09:25
Cyclohexane	< LOQ	50.00	ppm		01/27/20 12:05	01/28/20 09:25
Dichloromethane	< LOQ	50.00	ppm		01/27/20 12:05	01/28/20 09:25
1,4-Dioxane	< LOQ	50.00	ppm		01/27/20 12:05	01/28/20 09:25
2-Ethoxyethanol	< LOQ	80.00	ppm		01/27/20 12:05	01/28/20 09:25
Ethyl acetate	< LOQ	1000	ppm		01/27/20 12:05	01/28/20 09:25
Ethyl benzene	< LOQ	35.00	ppm		01/27/20 12:05	01/28/20 09:25
Ethylene glycol	< LOQ	310.0	ppm		01/27/20 12:05	01/28/20 09:25
Ethylene oxide	< LOQ	25.00	ppm		01/27/20 12:05	01/28/20 09:25
Ethyl ether	< LOQ	1000	ppm		01/27/20 12:05	01/28/20 09:25
Heptane	< LOQ	1000	ppm		01/27/20 12:05	01/28/20 09:25
Hexanes	< LOQ	50.00	ppm		01/27/20 12:05	01/28/20 09:25
Isopropyl acetate	< LOQ	1000	ppm		01/27/20 12:05	01/28/20 09:25
Methanol	< LOQ	1000	ppm		01/27/20 12:05	01/28/20 09:25
Pentanes	< LOQ	1000	ppm		01/27/20 12:05	01/28/20 09:25
Propane	< LOQ	1000	ppm		01/27/20 12:05	01/28/20 09:25



Russell Kuhfeld

Russell Kuhfeld
Quality Officer - 1/30/2020

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.

Lab results apply to the sample as received, samples were not collected per OAR 333-007 requirements



Quality Control Solvent Analysis (Continued)

Batch: 2005013 - 205 (Continued)

Blank(2005013-BLK1)						
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed
2-Propanol (IPA)	< LOQ	1000	ppm		01/27/20 12:05	01/28/20 09:25
Tetrahydrofuran	< LOQ	50.00	ppm		01/27/20 12:05	01/28/20 09:25
Toluene	< LOQ	50.00	ppm		01/27/20 12:05	01/28/20 09:25
Xylenes	< LOQ	50.00	ppm		01/27/20 12:05	01/28/20 09:25

LCS(2005013-BS1)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Acetone	97.5	1000	ppm	70-130	01/27/20 12:05	01/27/20 17:40
Acetonitrile	103	50.00	ppm	70-130	01/27/20 12:05	01/27/20 17:40
Benzene	99.8	1.000	ppm	70-130	01/27/20 12:05	01/27/20 17:40
n-Butane	90.4	50.00	ppm	70-130	01/27/20 12:05	01/27/20 17:40
Butanes	88.6	1000	ppm	70-130	01/27/20 12:05	01/27/20 17:40
2-Butanol	96.8	1000	ppm	70-130	01/27/20 12:05	01/27/20 17:40
Cumene	94.1	35.00	ppm	70-130	01/27/20 12:05	01/27/20 17:40
Cyclohexane	98.4	50.00	ppm	70-130	01/27/20 12:05	01/27/20 17:40
Dichloromethane	99.4	50.00	ppm	70-130	01/27/20 12:05	01/27/20 17:40
1,4-Dioxane	106	50.00	ppm	70-130	01/27/20 12:05	01/27/20 17:40
2-Ethoxyethanol	98.4	80.00	ppm	70-130	01/27/20 12:05	01/27/20 17:40
Ethyl acetate	102	1000	ppm	70-130	01/27/20 12:05	01/27/20 17:40
Ethyl benzene	92.8	35.00	ppm	70-130	01/27/20 12:05	01/27/20 17:40
Ethylene glycol	87.5	310.0	ppm	70-130	01/27/20 12:05	01/27/20 17:40
Ethylene oxide	98.7	25.00	ppm	70-130	01/27/20 12:05	01/27/20 17:40
Ethyl ether	98.4	1000	ppm	70-130	01/27/20 12:05	01/27/20 17:40
Heptane	96.6	1000	ppm	70-130	01/27/20 12:05	01/27/20 17:40
n-Hexane	99.4	50.00	ppm	70-130	01/27/20 12:05	01/27/20 17:40
Hexanes	101	50.00	ppm	70-130	01/27/20 12:05	01/27/20 17:40
iso-Butane	86.8	50.00	ppm	70-130	01/27/20 12:05	01/27/20 17:40
Isopropyl acetate	98.7	1000	ppm	70-130	01/27/20 12:05	01/27/20 17:40
iso-Pentane	95.2	50.00	ppm	70-130	01/27/20 12:05	01/27/20 17:40
Methanol	96.6	1000	ppm	70-130	01/27/20 12:05	01/27/20 17:40
2-Methylpentane	98.2	50.00	ppm	70-130	01/27/20 12:05	01/27/20 17:40
3-Methylpentane	99.6	50.00	ppm	70-130	01/27/20 12:05	01/27/20 17:40
neo-Pentane	92.5	50.00	ppm	70-130	01/27/20 12:05	01/27/20 17:40
n-Pentane	96.8	50.00	ppm	70-130	01/27/20 12:05	01/27/20 17:40
Pentanes	94.8	1000	ppm	70-130	01/27/20 12:05	01/27/20 17:40
Propane	76.3	1000	ppm	70-130	01/27/20 12:05	01/27/20 17:40
2-Propanol (IPA)	109	1000	ppm	70-130	01/27/20 12:05	01/27/20 17:40
Tetrahydrofuran	98.9	50.00	ppm	70-130	01/27/20 12:05	01/27/20 17:40
Toluene	99.2	50.00	ppm	70-130	01/27/20 12:05	01/27/20 17:40



Russell Kuhfeld

Russell Kuhfeld
Quality Officer - 1/30/2020

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.

Lab results apply to the sample as received, samples were not collected per OAR 333-007 requirements



Green Leaf Lab®

12025 NE Marx St. Portland, OR 97220
503-253-3511 / www.greenleaflabs.com
License#: 10029074C70

Quality Control Testing Official Report

Quality Control Mold and Fungi

Batch: 2005018 - 301

Blank(2005018-BLK1)

Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Molds and Fungi	< LOQ	10.0	cfu/g		01/27/20 14:51	01/29/20 09:43

Blank(2005018-BLK2)

Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Molds and Fungi	< LOQ	10.0	cfu/g		01/27/20 14:51	01/29/20 09:43



Russell Kuhfeld

Russell Kuhfeld
Quality Officer - 1/30/2020

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.

Lab results apply to the sample as received, samples were not collected per OAR 333-007 requirements



Quality Control Metals Analysis

Batch: 2005024 - Metals

Blank(2005024-BLK1)						
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Cadmium	< LOQ	0.05	ug/g		01/28/20 11:52	01/29/20 15:38
Lead	< LOQ	0.05	ug/g		01/28/20 11:52	01/29/20 15:38
Arsenic	< LOQ	0.05	ug/g		01/28/20 11:52	01/29/20 15:38
Mercury	< LOQ	0.01	ug/g		01/28/20 11:52	01/29/20 15:38

LCS(2005024-BS1)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Cadmium	100	0.05	ug/g	70-130	01/28/20 11:52	01/29/20 15:40
Lead	100	0.05	ug/g	70-130	01/28/20 11:52	01/29/20 15:40
Arsenic	103	0.05	ug/g	70-130	01/28/20 11:52	01/29/20 15:40
Mercury	78.8	0.01	ug/g	70-130	01/28/20 11:52	01/29/20 15:40