



CBDa ISO GVL-TST561

Sample ID: G3C0417-01 Matrix: Hemp Extracts & Concentrates

Test ID: 5025175

Source ID:

Date Sampled: 03/27/23 Date Accepted: 03/27/23

Harvest/Prod. Date: 03.24.2023

GVB Oregon
testing@gvbbiopharma.com

Results at a Glance

Total THC : <LOQ (0.1577%) %

Total CBD : 85.30 %

Pesticides : PASS

Residual Solvent Analysis : PASS

Total Colonies : <LOQ cfu/g PASS

Metals : PASS



Eric Wendt
Chief Science Officer - 3/30/2023



CBDa ISO GVL-TST561

Sample ID: G3C0417-01 Matrix: Hemp Extracts & Concentrates

Test ID: 5025175

Source ID:

Date Sampled: 03/27/23 Date Accepted: 03/27/23

Harvest/Prod. Date: 03.24.2023

GVB Oregon
testing@gvbbiopharma.com

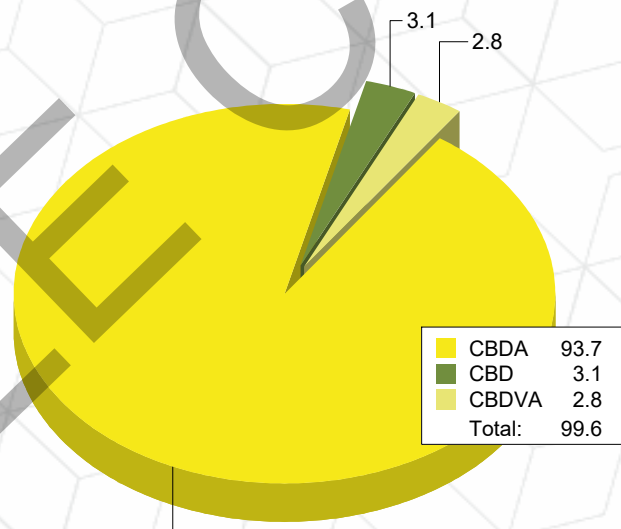
Potency Analysis by HPLC

Date/Time Extracted: 03/28/23 10:29

Analysis Method/SOP: 215

Batch Identification: 2313012

Cannabinoids	LOQ (%)	% by Wt.	mg/g	Cannabinoids Profile	
Total THC	0.1577	< LOQ	< LOQ		
Total CBD	0.0431	85.30	853		
THCA	0.0005	< LOQ	< LOQ		
delta 9-THC	0.0005	< LOQ	< LOQ		
delta 8-THC	0.0934	< LOQ	< LOQ		
THCV	0.1052	< LOQ	< LOQ		
THCVA	0.0392	< LOQ	< LOQ		
CBD	0.0005	3.094	30.94		
CBDA	0.0005	93.73	937.3	93.7	
CBDV	0.1040	< LOQ	< LOQ		
CBDVA	0.0341	2.798	27.98		2.8
CBN	0.0622	< LOQ	< LOQ		
CBG	0.0164	< LOQ	< LOQ		
CBGA	0.0164	< LOQ	< LOQ		
CBC	0.0186	< LOQ	< LOQ		
Total Cannabinoids		99.62	996.2		



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

Total CBD = CBD + (CBDA * 0.877)

Total CBG = CBG + (CBGA * 0.878)

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



ISO 17025
ACCREDITED
LABORATORY

Eric Wendt
Chief Science Officer - 3/30/2023

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.

This is for informational testing and is not compliance testing. Lab results apply to the sample as received.



CBDa ISO GVL-TST561

Sample ID: G3C0417-01 Matrix: Hemp Extracts & Concentrates

Test ID: 5025175

Source ID:

Date Sampled: 03/27/23 Date Accepted: 03/27/23

Harvest/Prod. Date: 03.24.2023

GVB Oregon
testing@gvbbiopharma.com

Pesticide Analysis by LCMSMS and GCMSMS

Date/Time Extracted: 03/28/23 10:29

Analysis Method/SOP: 202

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

ND - Compound not detected

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



Eric Wendt
Chief Science Officer - 3/30/2023

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.

This is for informational testing and is not compliance testing. Lab results apply to the sample as received.



CBDa ISO GVL-TST561

Sample ID: G3C0417-01 Matrix: Hemp Extracts & Concentrates

Test ID: 5025175

Source ID:

Date Sampled: 03/27/23 Date Accepted: 03/27/23

Harvest/Prod. Date: 03.24.2023

GVB Oregon
testing@gvbbiopharma.com

Residual Solvents by GCMS-HS

Date/Time Extracted: 03/28/23 12:39

Analysis Method/SOP: 205

Analyte	Result	Action Level	LOD	LOQ	Units	Notes
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.



ISO 17025
ACCREDITED
LABORATORY

Eric Wendt
Chief Science Officer - 3/30/2023

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.

This is for informational testing and is not compliance testing. Lab results apply to the sample as received.



CBDa ISO GVL-TST561

Sample ID: G3C0417-01 Matrix: Hemp Extracts & Concentrates

Test ID: 5025175

Source ID:

Date Sampled: 03/27/23 Date Accepted: 03/27/23

Harvest/Prod. Date: 03.24.2023

GVB Oregon
testing@gvbbiopharma.com

Molds and Fungi Screen

Date/Time Extracted: 03/28/23 17:34

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.

Metals by ICPMS

Date/Time Extracted: 03/28/23 10:03

Analysis Method/SOP: Metals

Analyte	Result	Action Level	LOD	LOQ	Units
Arsenic	< LOQ	0.2	0.03	0.08	ug/g
Cadmium	< LOQ	0.2	0.02	0.08	ug/g
Lead	< LOQ	0.5	0.01	0.08	ug/g
Mercury	< LOQ	0.1	0.01	0.04	ug/g

<LOQ - Results below the Limit of Quantitation

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



ISO 17025
ACCREDITED
LABORATORY

Eric Wendt
Chief Science Officer - 3/30/2023



Quality Control Potency

Batch: 2313012 - 215-Concentrates

Blank(2313012-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	< LOQ	0.0005	%		03/28/23 10:29	03/28/23 18:16	
delta 9-THC	< LOQ	0.0005	%		03/28/23 10:29	03/28/23 18:16	
delta 8-THC	< LOQ	0.0934	%		03/28/23 10:29	03/28/23 18:16	
THCV	< LOQ	0.1052	%		03/28/23 10:29	03/28/23 18:16	
THCVA	< LOQ	0.0392	%		03/28/23 10:29	03/28/23 18:16	
CBD	< LOQ	0.0005	%		03/28/23 10:29	03/28/23 18:16	
CBDA	< LOQ	0.0005	%		03/28/23 10:29	03/28/23 18:16	
CBDV	< LOQ	0.1040	%		03/28/23 10:29	03/28/23 18:16	
CBDVA	< LOQ	0.0341	%		03/28/23 10:29	03/28/23 18:16	
CBN	< LOQ	0.0622	%		03/28/23 10:29	03/28/23 18:16	
CBG	< LOQ	0.0164	%		03/28/23 10:29	03/28/23 18:16	
CBGA	< LOQ	0.0164	%		03/28/23 10:29	03/28/23 18:16	
CBC	< LOQ	0.0186	%		03/28/23 10:29	03/28/23 18:16	

Reference(2313012-SRM1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	100	0.0002	%	90-110	03/28/23 10:29	03/28/23 18:39	
delta 9-THC	108	0.0002	%	90-110	03/28/23 10:29	03/28/23 18:39	
delta 8-THC	97.1	0.0458	%	90-110	03/28/23 10:29	03/28/23 18:39	
CBD	103	0.0002	%	90-110	03/28/23 10:29	03/28/23 18:39	
CBDA	93.3	0.0002	%	90-110	03/28/23 10:29	03/28/23 18:39	

Pesticide Analysis

Batch: 2313011 - 202

Blank(2313011-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Abamectin	< LOQ	0.1	ppm		03/28/23 10:29	03/28/23 17:37	
Acephate	< LOQ	0.1	ppm		03/28/23 10:29	03/28/23 17:37	
Acequinocyl	< LOQ	0.5	ppm		03/28/23 10:29	03/28/23 17:37	
Acetamiprid	< LOQ	0.1	ppm		03/28/23 10:29	03/28/23 17:37	
Aldicarb	< LOQ	0.1	ppm		03/28/23 10:29	03/28/23 17:37	
Azoxystrobin	< LOQ	0.1	ppm		03/28/23 10:29	03/28/23 17:37	
Bifenazate	< LOQ	0.1	ppm		03/28/23 10:29	03/28/23 17:37	
Bifenthrin	< LOQ	0.1	ppm		03/28/23 10:29	03/28/23 17:37	
Boscalid	< LOQ	0.1	ppm		03/28/23 10:29	03/28/23 15:31	
Carbaryl	< LOQ	0.1	ppm		03/28/23 10:29	03/28/23 17:37	
Carbofuran	< LOQ	0.1	ppm		03/28/23 10:29	03/28/23 17:37	
Chlorantraniliprole	< LOQ	0.1	ppm		03/28/23 10:29	03/28/23 17:37	
Chlorfenapyr	< LOQ	0.1	ppm		03/28/23 10:29	03/28/23 15:31	



Eric Wendt
Chief Science Officer - 3/30/2023



Quality Control Pesticide Analysis (Continued)

Batch: 2313011 - 202 (Continued)

Blank(2313011-BLK1)								Notes
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed		
Chlorpyrifos	< LOQ	0.1	ppm		03/28/23 10:29	03/28/23 15:31		
Clofentezine	< LOQ	0.1	ppm		03/28/23 10:29	03/28/23 17:37		
Daminozide	< LOQ	0.5	ppm		03/28/23 10:29	03/28/23 17:37		
Cyfluthrin	< LOQ	0.5	ppm		03/28/23 10:29	03/28/23 15:31		
Diazinon	< LOQ	0.1	ppm		03/28/23 10:29	03/28/23 17:37		
Cypermethrin	< LOQ	0.5	ppm		03/28/23 10:29	03/28/23 15:31		
Dimethoate	< LOQ	0.1	ppm		03/28/23 10:29	03/28/23 17:37		
Ethoprophos	< LOQ	0.1	ppm		03/28/23 10:29	03/28/23 17:37		
Etofenprox	< LOQ	0.1	ppm		03/28/23 10:29	03/28/23 17:37		
Etoxazole	< LOQ	0.1	ppm		03/28/23 10:29	03/28/23 17:37		
Fenoxycarb	< LOQ	0.1	ppm		03/28/23 10:29	03/28/23 17:37		
Fenpyroximate	< LOQ	0.1	ppm		03/28/23 10:29	03/28/23 17:37		
Flonicamid	< LOQ	0.1	ppm		03/28/23 10:29	03/28/23 17:37		
Hexythiazox	< LOQ	0.1	ppm		03/28/23 10:29	03/28/23 17:37		
Imazalil	< LOQ	0.1	ppm		03/28/23 10:29	03/28/23 17:37		
Fipronil	< LOQ	0.1	ppm		03/28/23 10:29	03/28/23 15:31		
Imidacloprid	< LOQ	0.1	ppm		03/28/23 10:29	03/28/23 17:37		
Fludioxonil	< LOQ	0.1	ppm		03/28/23 10:29	03/28/23 15:31		
Metalaxyl	< LOQ	0.1	ppm		03/28/23 10:29	03/28/23 17:37		
Methiocarb	< LOQ	0.1	ppm		03/28/23 10:29	03/28/23 17:37		
Methomyl	< LOQ	0.1	ppm		03/28/23 10:29	03/28/23 17:37		
Myclobutanil	< LOQ	0.1	ppm		03/28/23 10:29	03/28/23 17:37		
Kresoxim-methyl	< LOQ	0.1	ppm		03/28/23 10:29	03/28/23 15:31		
Naled	< LOQ	0.1	ppm		03/28/23 10:29	03/28/23 17:37		
Malathion	< LOQ	0.1	ppm		03/28/23 10:29	03/28/23 15:31		
Oxamyl	< LOQ	0.1	ppm		03/28/23 10:29	03/28/23 17:37		
Paclobutrazol	< LOQ	0.1	ppm		03/28/23 10:29	03/28/23 17:37		
Permethrins	< LOQ	0.1	ppm		03/28/23 10:29	03/28/23 17:37		
Methyl parathion	< LOQ	0.1	ppm		03/28/23 10:29	03/28/23 15:31		
MGK-264	< LOQ	0.1	ppm		03/28/23 10:29	03/28/23 15:31		
Phosmet	< LOQ	0.1	ppm		03/28/23 10:29	03/28/23 17:37		
Piperonyl butoxide	< LOQ	0.9	ppm		03/28/23 10:29	03/28/23 17:37		
Prallethrin	< LOQ	0.1	ppm		03/28/23 10:29	03/28/23 17:37		
Propoxur	< LOQ	0.1	ppm		03/28/23 10:29	03/28/23 17:37		
Pyrethrins	< LOQ	0.5	ppm		03/28/23 10:29	03/28/23 17:37		
Pyridaben	< LOQ	0.1	ppm		03/28/23 10:29	03/28/23 17:37		
Propiconazole	< LOQ	0.1	ppm		03/28/23 10:29	03/28/23 15:31		
Spinosad	< LOQ	0.1	ppm		03/28/23 10:29	03/28/23 17:37		



Eric Wendt
Chief Science Officer - 3/30/2023



Quality Control Pesticide Analysis (Continued)

Batch: 2313011 - 202 (Continued)

Blank(2313011-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Spiromesifen	< LOQ	0.1	ppm		03/28/23 10:29	03/28/23 17:37	
Spirotetramat	< LOQ	0.1	ppm		03/28/23 10:29	03/28/23 17:37	
Spiroxamine	< LOQ	0.1	ppm		03/28/23 10:29	03/28/23 17:37	
Tebuconazole	< LOQ	0.1	ppm		03/28/23 10:29	03/28/23 17:37	
Thiacloprid	< LOQ	0.1	ppm		03/28/23 10:29	03/28/23 17:37	
Thiamethoxam	< LOQ	0.1	ppm		03/28/23 10:29	03/28/23 17:37	
Trifloxystrobin	< LOQ	0.1	ppm		03/28/23 10:29	03/28/23 17:37	
DDVP (Dichlorvos)	< LOQ	0.1	ppm		03/28/23 10:29	03/28/23 17:37	

LCS(2313011-BS1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Abamectin	117	0.1	ppm	50-150	03/28/23 10:29	03/28/23 18:00	
Acephate	107	0.1	ppm	60-120	03/28/23 10:29	03/28/23 18:00	
Acequinocyl	95.9	0.5	ppm	40-160	03/28/23 10:29	03/28/23 18:00	
Acetamiprid	105	0.1	ppm	60-120	03/28/23 10:29	03/28/23 18:00	
Aldicarb	101	0.1	ppm	60-120	03/28/23 10:29	03/28/23 18:00	
Azoxystrobin	105	0.1	ppm	60-120	03/28/23 10:29	03/28/23 18:00	
Bifenazate	129	0.1	ppm	60-120	03/28/23 10:29	03/28/23 18:00	BSH
Bifenthrin	105	0.1	ppm	50-150	03/28/23 10:29	03/28/23 18:00	
Boscalid	81.7	0.1	ppm	60-120	03/28/23 10:29	03/28/23 15:53	
Carbaryl	98.8	0.1	ppm	60-120	03/28/23 10:29	03/28/23 18:00	
Carbofuran	101	0.1	ppm	60-120	03/28/23 10:29	03/28/23 18:00	
Chlorantraniliprole	74.8	0.1	ppm	60-120	03/28/23 10:29	03/28/23 18:00	
Chlorfenapyr	107	0.1	ppm	60-120	03/28/23 10:29	03/28/23 15:53	
Chlorpyrifos	103	0.1	ppm	60-120	03/28/23 10:29	03/28/23 15:53	
Clofentezine	119	0.1	ppm	60-120	03/28/23 10:29	03/28/23 18:00	
Daminozide	275	0.5	ppm	60-120	03/28/23 10:29	03/28/23 18:00	BSH
Cyfluthrin	63.2	0.5	ppm	50-150	03/28/23 10:29	03/28/23 15:53	
Diazinon	105	0.1	ppm	60-120	03/28/23 10:29	03/28/23 18:00	
Cypermethrin	88.2	0.5	ppm	50-150	03/28/23 10:29	03/28/23 15:53	
Dimethoate	104	0.1	ppm	60-120	03/28/23 10:29	03/28/23 18:00	
Ethoprophos	103	0.1	ppm	60-120	03/28/23 10:29	03/28/23 18:00	
Etofenprox	99.2	0.1	ppm	50-150	03/28/23 10:29	03/28/23 18:00	
Etoxazole	104	0.1	ppm	60-120	03/28/23 10:29	03/28/23 18:00	
Fenoxycarb	98.1	0.1	ppm	60-120	03/28/23 10:29	03/28/23 18:00	
Fenpyroximate	109	0.1	ppm	60-120	03/28/23 10:29	03/28/23 18:00	
Flonicamid	103	0.1	ppm	60-120	03/28/23 10:29	03/28/23 18:00	
Hexythiazox	64.0	0.1	ppm	60-120	03/28/23 10:29	03/28/23 18:00	BSL
Imazalil	95.2	0.1	ppm	60-120	03/28/23 10:29	03/28/23 18:00	



Eric Wendt
Chief Science Officer - 3/30/2023



Quality Control Pesticide Analysis (Continued)

Batch: 2313011 - 202 (Continued)

LCS(2313011-BS1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Fipronil	91.5	0.1	ppm	60-120	03/28/23 10:29	03/28/23 15:53	
Imidacloprid	99.3	0.1	ppm	60-120	03/28/23 10:29	03/28/23 18:00	
Fludioxonil	73.1	0.1	ppm	50-150	03/28/23 10:29	03/28/23 15:53	
Metalaxyl	103	0.1	ppm	60-120	03/28/23 10:29	03/28/23 18:00	
Methiocarb	98.4	0.1	ppm	60-120	03/28/23 10:29	03/28/23 18:00	
Methomyl	103	0.1	ppm	60-120	03/28/23 10:29	03/28/23 18:00	
Myclobutanil	94.2	0.1	ppm	60-120	03/28/23 10:29	03/28/23 18:00	
Kresoxim-methyl	83.7	0.1	ppm	60-120	03/28/23 10:29	03/28/23 15:53	
Naled	103	0.1	ppm	50-150	03/28/23 10:29	03/28/23 18:00	
Malathion	89.7	0.1	ppm	60-120	03/28/23 10:29	03/28/23 15:53	
Oxamyl	101	0.1	ppm	60-120	03/28/23 10:29	03/28/23 18:00	
Paclobutrazol	101	0.1	ppm	60-120	03/28/23 10:29	03/28/23 18:00	
Permethrins	105	0.1	ppm	50-150	03/28/23 10:29	03/28/23 18:00	
Methyl parathion	98.6	0.1	ppm	50-150	03/28/23 10:29	03/28/23 15:53	
MGK-264	81.4	0.1	ppm	50-150	03/28/23 10:29	03/28/23 15:53	
Phosmet	106	0.1	ppm	50-150	03/28/23 10:29	03/28/23 18:00	
Piperonyl butoxide	108	0.9	ppm	60-120	03/28/23 10:29	03/28/23 18:00	
Prallethrin	98.4	0.1	ppm	60-120	03/28/23 10:29	03/28/23 18:00	
Propoxur	100	0.1	ppm	60-120	03/28/23 10:29	03/28/23 18:00	
Pyrethrins	157	0.5	ppm	60-120	03/28/23 10:29	03/28/23 18:00	BSH
Pyridaben	100	0.1	ppm	50-150	03/28/23 10:29	03/28/23 18:00	
Propiconazole	92.7	0.1	ppm	60-120	03/28/23 10:29	03/28/23 15:53	
Spinosad	95.8	0.1	ppm	50-150	03/28/23 10:29	03/28/23 18:00	
Spiromesifen	89.1	0.1	ppm	60-120	03/28/23 10:29	03/28/23 18:00	
Spirotetramat	96.9	0.1	ppm	60-120	03/28/23 10:29	03/28/23 18:00	
Spiroxamine	96.2	0.1	ppm	60-120	03/28/23 10:29	03/28/23 18:00	
Tebuconazole	99.3	0.1	ppm	60-120	03/28/23 10:29	03/28/23 18:00	
Thiacloprid	102	0.1	ppm	60-120	03/28/23 10:29	03/28/23 18:00	
Thiamethoxam	102	0.1	ppm	60-120	03/28/23 10:29	03/28/23 18:00	
Trifloxystrobin	104	0.1	ppm	60-120	03/28/23 10:29	03/28/23 18:00	
DDVP (Dichlorvos)	96.1	0.1	ppm	60-120	03/28/23 10:29	03/28/23 18:00	

Solvent Analysis

Batch: 2313019 - 205

Blank(2313019-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Acetone	< LOQ	1000	ppm		03/28/23 12:39	03/29/23 09:55	
Acetonitrile	< LOQ	50.00	ppm		03/28/23 12:39	03/29/23 09:55	



Eric Wendt
Chief Science Officer - 3/30/2023



Quality Control Solvent Analysis (Continued)

Batch: 2313019 - 205 (Continued)

Blank(2313019-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Benzene	< LOQ	1.000	ppm		03/28/23 12:39	03/29/23 09:55	
Butanes	< LOQ	1000	ppm		03/28/23 12:39	03/29/23 09:55	
2-Butanol	< LOQ	1000	ppm		03/28/23 12:39	03/29/23 09:55	
Cumene	< LOQ	35.00	ppm		03/28/23 12:39	03/29/23 09:55	
Cyclohexane	< LOQ	50.00	ppm		03/28/23 12:39	03/29/23 09:55	
Dichloromethane	< LOQ	50.00	ppm		03/28/23 12:39	03/29/23 09:55	
1,4-Dioxane	< LOQ	50.00	ppm		03/28/23 12:39	03/29/23 09:55	
2-Ethoxyethanol	< LOQ	80.00	ppm		03/28/23 12:39	03/29/23 09:55	
Ethyl acetate	< LOQ	1000	ppm		03/28/23 12:39	03/29/23 09:55	
Ethyl benzene	< LOQ	35.00	ppm		03/28/23 12:39	03/29/23 09:55	
Ethylene glycol	< LOQ	310.0	ppm		03/28/23 12:39	03/29/23 09:55	
Ethylene oxide	< LOQ	25.00	ppm		03/28/23 12:39	03/29/23 09:55	
Ethyl ether	< LOQ	1000	ppm		03/28/23 12:39	03/29/23 09:55	
Heptane	< LOQ	1000	ppm		03/28/23 12:39	03/29/23 09:55	
Hexanes	< LOQ	50.00	ppm		03/28/23 12:39	03/29/23 09:55	
Isopropyl acetate	< LOQ	1000	ppm		03/28/23 12:39	03/29/23 09:55	
Methanol	< LOQ	1000	ppm		03/28/23 12:39	03/29/23 09:55	
Pentanes	< LOQ	1000	ppm		03/28/23 12:39	03/29/23 09:55	
Propane	< LOQ	1000	ppm		03/28/23 12:39	03/29/23 09:55	
2-Propanol (IPA)	< LOQ	1000	ppm		03/28/23 12:39	03/29/23 09:55	
Tetrahydrofuran	< LOQ	50.00	ppm		03/28/23 12:39	03/29/23 09:55	
Toluene	< LOQ	50.00	ppm		03/28/23 12:39	03/29/23 09:55	
Xylenes	< LOQ	50.00	ppm		03/28/23 12:39	03/29/23 09:55	

LCS(2313019-BS1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Acetone	105	1000	ppm	60-120	03/28/23 12:39	03/28/23 16:20	
Acetonitrile	108	50.00	ppm	60-120	03/28/23 12:39	03/28/23 16:20	
Benzene	107	1.000	ppm	60-120	03/28/23 12:39	03/28/23 16:20	
Butanes	105	1000	ppm	60-120	03/28/23 12:39	03/28/23 16:20	
2-Butanol	104	1000	ppm	60-120	03/28/23 12:39	03/28/23 16:20	
Cumene	108	35.00	ppm	60-120	03/28/23 12:39	03/28/23 16:20	
Cyclohexane	104	50.00	ppm	60-120	03/28/23 12:39	03/28/23 16:20	
Dichloromethane	103	50.00	ppm	60-120	03/28/23 12:39	03/28/23 16:20	
1,4-Dioxane	107	50.00	ppm	60-120	03/28/23 12:39	03/28/23 16:20	
2-Ethoxyethanol	124	80.00	ppm	60-120	03/28/23 12:39	03/28/23 16:20	BSH
Ethyl acetate	106	1000	ppm	60-120	03/28/23 12:39	03/28/23 16:20	
Ethyl benzene	115	35.00	ppm	60-120	03/28/23 12:39	03/28/23 16:20	
Ethylene glycol	175	310.0	ppm	60-120	03/28/23 12:39	03/28/23 16:20	BSH



Eric Wendt
Chief Science Officer - 3/30/2023



Quality Control Solvent Analysis (Continued)

Batch: 2313019 - 205 (Continued)

LCS(2313019-BS1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Ethylene oxide	92.2	25.00	ppm	60-120	03/28/23 12:39	03/28/23 16:20	
Ethyl ether	107	1000	ppm	60-120	03/28/23 12:39	03/28/23 16:20	
Heptane	103	1000	ppm	60-120	03/28/23 12:39	03/28/23 16:20	
Hexanes	118	50.00	ppm	60-120	03/28/23 12:39	03/28/23 16:20	
Isopropyl acetate	106	1000	ppm	60-120	03/28/23 12:39	03/28/23 16:20	
Methanol	98.5	1000	ppm	60-120	03/28/23 12:39	03/28/23 16:20	
Pentanes	116	1000	ppm	60-120	03/28/23 12:39	03/28/23 16:20	
Propane	107	1000	ppm	60-120	03/28/23 12:39	03/28/23 16:20	
2-Propanol (IPA)	100	1000	ppm	60-120	03/28/23 12:39	03/28/23 16:20	
Tetrahydrofuran	105	50.00	ppm	60-120	03/28/23 12:39	03/28/23 16:20	
Toluene	108	50.00	ppm	60-120	03/28/23 12:39	03/28/23 16:20	

Metals

Batch: 2313010 - 217

Blank(2313010-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Cadmium	< LOQ	0.08	ug/g		03/28/23 10:03	03/29/23 17:19	
Lead	< LOQ	0.08	ug/g		03/28/23 10:03	03/29/23 17:19	
Arsenic	< LOQ	0.08	ug/g		03/28/23 10:03	03/29/23 17:19	
Mercury	< LOQ	0.04	ug/g		03/28/23 10:03	03/29/23 17:19	

LCS(2313010-BS1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Cadmium	97.8	0.08	ug/g	80-115	03/28/23 10:03	03/29/23 17:21	
Lead	101	0.08	ug/g	80-115	03/28/23 10:03	03/29/23 17:21	
Arsenic	97.0	0.08	ug/g	80-115	03/28/23 10:03	03/29/23 17:21	
Mercury	96.0	0.04	ug/g	80-115	03/28/23 10:03	03/29/23 17:21	

Batch: 2313028 - 301

Blank(2313028-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Molds and Fungi	< LOQ	10.0	cfu/g		03/28/23 17:34	03/30/23 10:01	

Blank(2313028-BLK2)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Molds and Fungi	< LOQ	10.0	cfu/g		03/28/23 17:34	03/30/23 10:01	



Eric Wendt
Chief Science Officer - 3/30/2023



Notes and Definitions

Regulatory Compliance samples were collected onsite at facility according to ORELAP-SOP-001 and ORELAP-SOP-002 and following Sampling Plan FN117. Quality Control samples were tested as received. Results do not include uncertainty of measurements. Available upon request.

- ATM Non-cannabis matrix related interference or suppression of Internal standard
- BLI Baseline Interference - Cannabinoid peak interference in chromatographic baseline affecting QC recovery .
- BLK Analyte detected in method blank, but not associated samples.
- BSH Blank Spike High - Blank Spike recovery above method limit. no detections in samples.
- BSL Blank Spike Low - Blank Spike recovery below lower method limit, analyte chromatography reviewed manually for all samples.
- CBD Interference due to co-elution
- CV1 CBD matrix interference on GC Pest chromatography
- CV2 CCV was above acceptance criteria, Non-detect samples are considered acceptable.
- INF CCV was below acceptance criteria, sample still exceeds regulatory limit.
- ISH One or more QC falls outside acceptance criteria. Data entered into LIMS for informational purposes only.
- ISL Internal Standard concentration is above acceptance criteria.
- MSH Internal Standard concentration is below acceptance criteria.
- MSI Matrix Spike High - Matrix Spike recovery above method limits.
- MSL Matrix Spike Interference - Matrix spike source sample contains analyte hit above calibration affecting recovery accuracy in Matrix Spike.
- TPP
- U Matrix Spike Low - Matrix Spike recovery below lower method limit, analyte chromatography reviewed manually for all samples.
Internal Standard concentration outside control limit due to matrix interference

SAMPLE COA



Eric Wendt
Chief Science Officer - 3/30/2023

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.

This is for informational testing and is not compliance testing. Lab results apply to the sample as received.