



CBD Iso GVL-TST842

Sample ID: G4J0114-01 Matrix: Hemp Extracts & Concentrates

Test ID: 5034131

Source ID:

Date Sampled: 10/09/24 Date Accepted: 10/09/24

Harvest/Prod. Date: 10.07.2024

GVB Oregon
info@gvbbiopharma.com

Results at a Glance

Total THC : <LOQ (0.0005%) %

Total CBD : 98.77 %

Pesticides : PASS

Residual Solvent Analysis : PASS

Metals : PASS



ISO 17025
ACCREDITED
LABORATORY

Nolan Mundie
Lab Director - 10/14/2024

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.



CBD Iso GVL-TST842

Sample ID: G4J0114-01 Matrix: Hemp Extracts & Concentrates

Test ID: 5034131

Source ID:

Date Sampled: 10/09/24 Date Accepted: 10/09/24

Harvest/Prod. Date: 10.07.2024

GVB Oregon
info@gvbbiopharma.com

Potency Analysis

Date/Time Extracted: 10/10/24 10:34

Analysis Method/SOP: 215

Batch Identification: 2441033

Cannabinoids	LOQ (%)	% by Wt.	mg/g	Cannabinoids Profile
Total THC	0.0005	< LOQ	< LOQ	
Total CBD	0.0431	98.77	987.7	
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	98.77	987.7	
CBDA	0.0005	< LOQ	< LOQ	
CBDV	0.1040	< LOQ	< LOQ	
CBDVA	0.0341	< LOQ	< LOQ	
CBN	0.0622	< LOQ	< LOQ	
CBG	0.0164	< LOQ	< LOQ	
CBGA	0.0164	< LOQ	< LOQ	
CBC	0.0186	< LOQ	< LOQ	
Total Cannabinoids		98.77	987.7	

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.

THCA, delta 9-THC, delta 8-THC, CBDA and CBD are accredited by TNI 2016 and ISO 17025



ISO 17025
ACCREDITED
LABORATORY

Nolan Mundie
Lab Director - 10/14/2024

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.



CBD Iso GVL-TST842

Sample ID: G4J0114-01 Matrix: Hemp Extracts & Concentrates

Test ID: 5034131

Source ID:

Date Sampled: 10/09/24 Date Accepted: 10/09/24

Harvest/Prod. Date: 10.07.2024

GVB Oregon
info@gvbbiopharma.com

Pesticide Analysis in ppm

Date/Time Extracted: 10/10/24 11:04

Analysis Method/SOP: 202

Analyte	Result	Action Level	LOD	LOQ	Units	Notes	Analyte	Result	Action Level	LOD	LOQ	Units	Notes
Abamectin	< LOQ	0.5		0.10	ppm		Acephate	< LOQ	0.4		0.10	ppm	
Acequinocyl	< LOQ	2		0.48	ppm		Acetamidrid	< LOQ	0.2		0.10	ppm	
Aldicarb	< LOQ	0.4		0.10	ppm		Azoxystrobin	< LOQ	0.2		0.10	ppm	
Bifenazate	< LOQ	0.2		0.10	ppm		Bifenthrin	< LOQ	0.2		0.10	ppm	
Boscalid	< LOQ	0.4		0.10	ppm		Carbaryl	< LOQ	0.2		0.10	ppm	
Carbofuran	< LOQ	0.2		0.10	ppm		Chlorantraniliprole	< LOQ	0.2		0.10	ppm	
Chlorfenapyr	< LOQ	1		0.10	ppm		Chlorpyrifos	< LOQ	0.2		0.10	ppm	
Clofentezine	< LOQ	0.2		0.10	ppm		Cyfluthrin	< LOQ	1		0.48	ppm	
Cypermethrin	< LOQ	1		0.48	ppm		Daminozide	< LOQ	1		0.48	ppm	
DDVP (Dichlorvos)	< LOQ	1		0.10	ppm		Diazinon	< LOQ	0.2		0.10	ppm	
Dimethoate	< LOQ	0.2		0.10	ppm		Ethoprophos	< LOQ	0.2		0.10	ppm	
Etofenprox	< LOQ	0.4		0.10	ppm		Etoxazole	< LOQ	0.2		0.10	ppm	
Fenoxycarb	< LOQ	0.2		0.10	ppm		Fenpyroximate	< LOQ	0.4		0.20	ppm	
Fipronil	< LOQ	0.4		0.10	ppm		Fonicamid	< LOQ	1		0.10	ppm	
Fludioxonil	< LOQ	0.4		0.10	ppm		Hexythiazox	< LOQ	1		0.10	ppm	
Imazalil	< LOQ	0.2		0.10	ppm		Imidacloprid	< LOQ	0.4		0.10	ppm	
Kresoxim-methyl	< LOQ	0.4		0.10	ppm		Malathion	< LOQ	0.2		0.10	ppm	
Metalaxyl	< LOQ	0.2		0.10	ppm		Methiocarb	< LOQ	0.2		0.10	ppm	
Methomyl	< LOQ	0.4		0.10	ppm		Methyl parathion	< LOQ	0.2		0.10	ppm	
MGK-264	< LOQ	0.2		0.10	ppm		Myclobutanil	< LOQ	0.2		0.10	ppm	
Naled	< LOQ	0.5		0.10	ppm		Oxamyl	< LOQ	1		0.10	ppm	
Paclobutrazol	< LOQ	0.4		0.10	ppm		Permethrins	< LOQ	0.2		0.10	ppm	
Phosmet	< LOQ	0.2		0.10	ppm		Piperonyl butoxide	< LOQ	2		0.90	ppm	
Prallethrin	< LOQ	0.2		0.10	ppm		Propiconazole	< LOQ	0.4		0.10	ppm	
Propoxur	< LOQ	0.2		0.10	ppm		Pyrethrins	< LOQ	1		0.48	ppm	
Pyridaben	< LOQ	0.2		0.10	ppm		Spinosad	< LOQ	0.2		0.10	ppm	
Spiromesifen	< LOQ	0.2		0.10	ppm		Spirotetramat	< LOQ	0.2		0.10	ppm	
Spiroxamine	< LOQ	0.4		0.10	ppm		Tebuconazole	< LOQ	0.4		0.10	ppm	
Thiacloprid	< LOQ	0.2		0.10	ppm		Thiamethoxam	< LOQ	0.2		0.10	ppm	
Trifloxystrobin	< LOQ	0.2		0.10	ppm								

ND - Compound not detected
Results above the Action Level fail state testing requirements and will be highlighted **Red**.



Nolan Mundie
Lab Director - 10/14/2024

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.



CBD Iso GVL-TST842

Sample ID: G4J0114-01 Matrix: Hemp Extracts & Concentrates

Test ID: 5034131

Source ID:

Date Sampled: 10/09/24 Date Accepted: 10/09/24

Harvest/Prod. Date: 10.07.2024

GVB Oregon
info@gvbbiopharma.com

Residual Solvents

Date/Time Extracted: 10/10/24 08:28

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	
Ethanol	< LOQ			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

Nolan Mundie
Lab Director - 10/14/2024

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.



CBD Iso GVL-TST842

Sample ID: G4J0114-01 Matrix: Hemp Extracts & Concentrates

Test ID: 5034131

Source ID:

Date Sampled: 10/09/24 Date Accepted: 10/09/24

Harvest/Prod. Date: 10.07.2024

GVB Oregon
info@gvbbiopharma.com

Metals by ICPMS

Date/Time Extracted: 10/09/24 11:56

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

Nolan Mundie
Lab Director - 10/14/2024



Quality Control Potency

Batch: 2441033 - 215-Concentrates

Blank(2441033-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	< LOQ	0.0003	%		10/10/24 10:34	10/10/24 16:42	
delta 9-THC	< LOQ	0.0003	%		10/10/24 10:34	10/10/24 16:42	
delta 8-THC	< LOQ	0.0477	%		10/10/24 10:34	10/10/24 16:42	
THCV	< LOQ	0.0537	%		10/10/24 10:34	10/10/24 16:42	
THCVA	< LOQ	0.0200	%		10/10/24 10:34	10/10/24 16:42	
CBD	< LOQ	0.0003	%		10/10/24 10:34	10/10/24 16:42	
CBDA	< LOQ	0.0003	%		10/10/24 10:34	10/10/24 16:42	
CBDV	< LOQ	0.0531	%		10/10/24 10:34	10/10/24 16:42	
CBDVA	< LOQ	0.0174	%		10/10/24 10:34	10/10/24 16:42	
CBN	< LOQ	0.0318	%		10/10/24 10:34	10/10/24 16:42	
CBG	< LOQ	0.0084	%		10/10/24 10:34	10/10/24 16:42	
CBGA	< LOQ	0.0084	%		10/10/24 10:34	10/10/24 16:42	
CBC	< LOQ	0.0095	%		10/10/24 10:34	10/10/24 16:42	

Reference(2441033-SRM1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	104	0.00005	%	90-110	10/10/24 10:34	10/11/24 08:14	
delta 9-THC	102	0.00005	%	90-110	10/10/24 10:34	10/11/24 08:14	
delta 8-THC	101	0.0091	%	90-110	10/10/24 10:34	10/11/24 08:14	
CBD	110	0.00005	%	90-110	10/10/24 10:34	10/11/24 08:14	
CBDA	109	0.00005	%	90-110	10/10/24 10:34	10/11/24 08:14	

Pesticide Analysis

Batch: 2441035 - 202

Blank(2441035-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Abamectin	< LOQ	0.10	ppm		10/10/24 11:04	10/11/24 10:58	
Acephate	< LOQ	0.10	ppm		10/10/24 11:04	10/11/24 10:58	
Acequinocyl	< LOQ	0.48	ppm		10/10/24 11:04	10/11/24 10:58	
Acetamiprid	< LOQ	0.10	ppm		10/10/24 11:04	10/11/24 10:58	
Aldicarb	< LOQ	0.10	ppm		10/10/24 11:04	10/11/24 10:58	
Azoxystrobin	< LOQ	0.10	ppm		10/10/24 11:04	10/11/24 10:58	
Bifenazate	< LOQ	0.10	ppm		10/10/24 11:04	10/11/24 10:58	
Bifenthrin	< LOQ	0.10	ppm		10/10/24 11:04	10/11/24 10:58	
Boscalid	< LOQ	0.10	ppm		10/10/24 11:04	10/10/24 21:19	
Carbaryl	< LOQ	0.10	ppm		10/10/24 11:04	10/11/24 10:58	
Carbofuran	< LOQ	0.10	ppm		10/10/24 11:04	10/11/24 10:58	
Chlorantraniliprole	< LOQ	0.10	ppm		10/10/24 11:04	10/11/24 10:58	
Chlorfenapyr	< LOQ	0.10	ppm		10/10/24 11:04	10/10/24 21:19	



Nolan Mundie
Lab Director - 10/14/2024



Quality Control Pesticide Analysis (Continued)

Batch: 2441035 - 202 (Continued)

Blank(2441035-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Chlorpyrifos	< LOQ	0.10	ppm		10/10/24 11:04	10/11/24 10:58	
Clofentezine	< LOQ	0.10	ppm		10/10/24 11:04	10/11/24 10:58	
Daminozide	< LOQ	0.48	ppm		10/10/24 11:04	10/11/24 10:58	
Cyfluthrin	< LOQ	0.48	ppm		10/10/24 11:04	10/10/24 21:19	
Diazinon	< LOQ	0.10	ppm		10/10/24 11:04	10/11/24 10:58	
Cypermethrin	< LOQ	0.48	ppm		10/10/24 11:04	10/10/24 21:19	
Dimethoate	< LOQ	0.10	ppm		10/10/24 11:04	10/11/24 10:58	
Ethoprophos	< LOQ	0.10	ppm		10/10/24 11:04	10/11/24 10:58	
Etofenprox	< LOQ	0.10	ppm		10/10/24 11:04	10/11/24 10:58	
Etoxazole	< LOQ	0.10	ppm		10/10/24 11:04	10/11/24 10:58	
Fenoxycarb	< LOQ	0.10	ppm		10/10/24 11:04	10/11/24 10:58	
Fenpyroximate	< LOQ	0.20	ppm		10/10/24 11:04	10/11/24 10:58	
Flonicamid	< LOQ	0.10	ppm		10/10/24 11:04	10/11/24 10:58	
Hexythiazox	< LOQ	0.10	ppm		10/10/24 11:04	10/11/24 10:58	
Imazalil	< LOQ	0.10	ppm		10/10/24 11:04	10/11/24 10:58	
Fipronil	< LOQ	0.10	ppm		10/10/24 11:04	10/10/24 21:19	
Imidacloprid	< LOQ	0.10	ppm		10/10/24 11:04	10/11/24 10:58	
Fludioxonil	< LOQ	0.10	ppm		10/10/24 11:04	10/10/24 21:19	
Metalaxyl	< LOQ	0.10	ppm		10/10/24 11:04	10/11/24 10:58	
Methiocarb	< LOQ	0.10	ppm		10/10/24 11:04	10/11/24 10:58	
Methomyl	< LOQ	0.10	ppm		10/10/24 11:04	10/11/24 10:58	
Myclobutanil	< LOQ	0.10	ppm		10/10/24 11:04	10/11/24 10:58	
Kresoxim-methyl	< LOQ	0.10	ppm		10/10/24 11:04	10/10/24 21:19	
Naled	< LOQ	0.10	ppm		10/10/24 11:04	10/11/24 10:58	
Malathion	< LOQ	0.10	ppm		10/10/24 11:04	10/10/24 21:19	
Oxamyl	< LOQ	0.10	ppm		10/10/24 11:04	10/11/24 10:58	
Paclobutrazol	< LOQ	0.10	ppm		10/10/24 11:04	10/11/24 10:58	
Permethrins	< LOQ	0.10	ppm		10/10/24 11:04	10/11/24 10:58	
Methyl parathion	< LOQ	0.10	ppm		10/10/24 11:04	10/10/24 21:19	
MGK-264	< LOQ	0.10	ppm		10/10/24 11:04	10/10/24 21:19	
Phosmet	< LOQ	0.10	ppm		10/10/24 11:04	10/11/24 10:58	
Piperonyl butoxide	< LOQ	0.90	ppm		10/10/24 11:04	10/11/24 10:58	
Prallethrin	< LOQ	0.10	ppm		10/10/24 11:04	10/11/24 10:58	
Propoxur	< LOQ	0.10	ppm		10/10/24 11:04	10/11/24 10:58	
Pyrethrins	< LOQ	0.48	ppm		10/10/24 11:04	10/11/24 10:58	
Pyridaben	< LOQ	0.10	ppm		10/10/24 11:04	10/11/24 10:58	
Propiconazole	< LOQ	0.10	ppm		10/10/24 11:04	10/10/24 21:19	
Spinosad	< LOQ	0.10	ppm		10/10/24 11:04	10/11/24 10:58	



Nolan Mundie
Lab Director - 10/14/2024



Quality Control Pesticide Analysis (Continued)

Batch: 2441035 - 202 (Continued)

Blank(2441035-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Spiromesifen	< LOQ	0.10	ppm		10/10/24 11:04	10/11/24 10:58	
Spirotetramat	< LOQ	0.10	ppm		10/10/24 11:04	10/11/24 10:58	
Spiroxamine	< LOQ	0.10	ppm		10/10/24 11:04	10/11/24 10:58	
Tebuconazole	< LOQ	0.10	ppm		10/10/24 11:04	10/11/24 10:58	
Thiacloprid	< LOQ	0.10	ppm		10/10/24 11:04	10/11/24 10:58	
Thiamethoxam	< LOQ	0.10	ppm		10/10/24 11:04	10/11/24 10:58	
Trifloxystrobin	< LOQ	0.10	ppm		10/10/24 11:04	10/11/24 10:58	
DDVP (Dichlorvos)	< LOQ	0.10	ppm		10/10/24 11:04	10/11/24 10:58	

LCS(2441035-BS1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Abamectin	99.5	0.10	ppm	50-150	10/10/24 11:04	10/11/24 11:21	
Acephate	145	0.10	ppm	60-120	10/10/24 11:04	10/11/24 11:21	BSH
Acequinocyl	72.1	0.48	ppm	40-160	10/10/24 11:04	10/11/24 11:21	
Acetamiprid	109	0.10	ppm	60-120	10/10/24 11:04	10/11/24 11:21	
Aldicarb	88.8	0.10	ppm	60-120	10/10/24 11:04	10/11/24 11:21	
Azoxystrobin	114	0.10	ppm	60-120	10/10/24 11:04	10/11/24 11:21	
Bifenazate	156	0.10	ppm	60-120	10/10/24 11:04	10/11/24 11:21	BSH
Bifenthrin	120	0.10	ppm	50-150	10/10/24 11:04	10/11/24 11:21	
Boscalid	99.2	0.10	ppm	60-120	10/10/24 11:04	10/10/24 21:42	
Carbaryl	118	0.10	ppm	60-120	10/10/24 11:04	10/11/24 11:21	
Carbofuran	127	0.10	ppm	60-120	10/10/24 11:04	10/11/24 11:21	BSH
Chlorantraniliprole	107	0.10	ppm	60-120	10/10/24 11:04	10/11/24 11:21	
Chlorfenapyr	111	0.10	ppm	60-120	10/10/24 11:04	10/10/24 21:42	
Chlorpyrifos	112	0.10	ppm	60-120	10/10/24 11:04	10/11/24 11:21	
Clofentezine	114	0.10	ppm	60-120	10/10/24 11:04	10/11/24 11:21	
Daminozide	262	0.48	ppm	60-120	10/10/24 11:04	10/11/24 11:21	BSH
Cyfluthrin	88.7	0.48	ppm	50-150	10/10/24 11:04	10/10/24 21:42	
Diazinon	104	0.10	ppm	60-120	10/10/24 11:04	10/11/24 11:21	
Cypermethrin	104	0.48	ppm	50-150	10/10/24 11:04	10/10/24 21:42	
Dimethoate	112	0.10	ppm	60-120	10/10/24 11:04	10/11/24 11:21	
Ethoprophos	108	0.10	ppm	60-120	10/10/24 11:04	10/11/24 11:21	
Etofenprox	118	0.10	ppm	50-150	10/10/24 11:04	10/11/24 11:21	
Etoxazole	107	0.10	ppm	60-120	10/10/24 11:04	10/11/24 11:21	
Fenoxycarb	119	0.10	ppm	60-120	10/10/24 11:04	10/11/24 11:21	
Fenpyroximate	110	0.20	ppm	60-120	10/10/24 11:04	10/11/24 11:21	
Flonicamid	111	0.10	ppm	60-120	10/10/24 11:04	10/11/24 11:21	
Hexythiazox	113	0.10	ppm	60-120	10/10/24 11:04	10/11/24 11:21	
Imazalil	109	0.10	ppm	60-120	10/10/24 11:04	10/11/24 11:21	



Nolan Mundie
Lab Director - 10/14/2024

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.



Quality Control Pesticide Analysis (Continued)

Batch: 2441035 - 202 (Continued)

LCS(2441035-BS1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Fipronil	97.7	0.10	ppm	60-120	10/10/24 11:04	10/10/24 21:42	
Imidacloprid	117	0.10	ppm	60-120	10/10/24 11:04	10/11/24 11:21	
Fludioxonil	91.9	0.10	ppm	50-150	10/10/24 11:04	10/10/24 21:42	
Metalaxyl	111	0.10	ppm	60-120	10/10/24 11:04	10/11/24 11:21	
Methiocarb	171	0.10	ppm	60-120	10/10/24 11:04	10/11/24 11:21	BSH
Methomyl	114	0.10	ppm	60-120	10/10/24 11:04	10/11/24 11:21	
Myclobutanil	107	0.10	ppm	60-120	10/10/24 11:04	10/11/24 11:21	
Kresoxim-methyl	113	0.10	ppm	60-120	10/10/24 11:04	10/10/24 21:42	
Naled	100	0.10	ppm	50-150	10/10/24 11:04	10/11/24 11:21	
Malathion	104	0.10	ppm	60-120	10/10/24 11:04	10/10/24 21:42	
Oxamyl	115	0.10	ppm	60-120	10/10/24 11:04	10/11/24 11:21	
Paclobutrazol	118	0.10	ppm	60-120	10/10/24 11:04	10/11/24 11:21	
Permethrins	104	0.10	ppm	50-150	10/10/24 11:04	10/11/24 11:21	
Methyl parathion	101	0.10	ppm	50-150	10/10/24 11:04	10/10/24 21:42	
MGK-264	119	0.10	ppm	50-150	10/10/24 11:04	10/10/24 21:42	
Phosmet	140	0.10	ppm	50-150	10/10/24 11:04	10/11/24 11:21	
Piperonyl butoxide	100	0.90	ppm	60-120	10/10/24 11:04	10/11/24 11:21	
Prallethrin	113	0.10	ppm	60-120	10/10/24 11:04	10/11/24 11:21	
Propoxur	140	0.10	ppm	60-120	10/10/24 11:04	10/11/24 11:21	BSH
Pyrethrins	104	0.48	ppm	60-120	10/10/24 11:04	10/11/24 11:21	
Pyridaben	118	0.10	ppm	50-150	10/10/24 11:04	10/11/24 11:21	
Propiconazole	98.1	0.10	ppm	60-120	10/10/24 11:04	10/10/24 21:42	
Spinosad	78.4	0.10	ppm	50-150	10/10/24 11:04	10/11/24 11:21	
Spiromesifen	114	0.10	ppm	60-120	10/10/24 11:04	10/11/24 11:21	
Spirotetramat	115	0.10	ppm	60-120	10/10/24 11:04	10/11/24 11:21	
Spiroxamine	103	0.10	ppm	60-120	10/10/24 11:04	10/11/24 11:21	
Tebuconazole	109	0.10	ppm	60-120	10/10/24 11:04	10/11/24 11:21	
Thiacloprid	115	0.10	ppm	60-120	10/10/24 11:04	10/11/24 11:21	
Thiamethoxam	118	0.10	ppm	60-120	10/10/24 11:04	10/11/24 11:21	
Trifloxystrobin	118	0.10	ppm	60-120	10/10/24 11:04	10/11/24 11:21	
DDVP (Dichlorvos)	175	0.10	ppm	60-120	10/10/24 11:04	10/11/24 11:21	BSH

Solvent Analysis

Batch: 2441028 - 205

Blank(2441028-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Acetone	< LOQ	1000	ppm		10/10/24 08:28	10/11/24 09:36	
Acetonitrile	< LOQ	50.00	ppm		10/10/24 08:28	10/11/24 09:36	



Nolan Mundie
Lab Director - 10/14/2024



Quality Control Solvent Analysis (Continued)

Batch: 2441028 - 205 (Continued)

Blank(2441028-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Benzene	< LOQ	1.000	ppm		10/10/24 08:28	10/11/24 09:36	
Butanes	< LOQ	1000	ppm		10/10/24 08:28	10/11/24 09:36	
2-Butanol	< LOQ	1000	ppm		10/10/24 08:28	10/11/24 09:36	
Cumene	< LOQ	35.00	ppm		10/10/24 08:28	10/11/24 09:36	
Cyclohexane	< LOQ	50.00	ppm		10/10/24 08:28	10/11/24 09:36	
Dichloromethane	< LOQ	50.00	ppm		10/10/24 08:28	10/11/24 09:36	
1,4-Dioxane	< LOQ	50.00	ppm		10/10/24 08:28	10/11/24 09:36	
Ethanol	< LOQ	50.00	ppm		10/10/24 08:28	10/11/24 09:36	
2-Ethoxyethanol	< LOQ	80.00	ppm		10/10/24 08:28	10/11/24 09:36	
Ethyl acetate	< LOQ	1000	ppm		10/10/24 08:28	10/11/24 09:36	
Ethyl benzene	< LOQ	35.00	ppm		10/10/24 08:28	10/11/24 09:36	
Ethylene glycol	< LOQ	310.0	ppm		10/10/24 08:28	10/11/24 09:36	
Ethylene oxide	< LOQ	25.00	ppm		10/10/24 08:28	10/11/24 09:36	
Ethyl ether	< LOQ	1000	ppm		10/10/24 08:28	10/11/24 09:36	
Heptane	< LOQ	1000	ppm		10/10/24 08:28	10/11/24 09:36	
Hexanes	< LOQ	50.00	ppm		10/10/24 08:28	10/11/24 09:36	
Isopropyl acetate	< LOQ	1000	ppm		10/10/24 08:28	10/11/24 09:36	
Methanol	< LOQ	1000	ppm		10/10/24 08:28	10/11/24 09:36	
Pentanes	< LOQ	1000	ppm		10/10/24 08:28	10/11/24 09:36	
Propane	< LOQ	1000	ppm		10/10/24 08:28	10/11/24 09:36	
2-Propanol (IPA)	< LOQ	1000	ppm		10/10/24 08:28	10/11/24 09:36	
Tetrahydrofuran	< LOQ	50.00	ppm		10/10/24 08:28	10/11/24 09:36	
Toluene	< LOQ	50.00	ppm		10/10/24 08:28	10/11/24 09:36	
Xylenes	< LOQ	50.00	ppm		10/10/24 08:28	10/11/24 09:36	

LCS(2441028-BS1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Acetone	95.7	1000	ppm	60-120	10/10/24 08:28	10/10/24 17:04	
Acetonitrile	94.1	50.00	ppm	60-120	10/10/24 08:28	10/10/24 17:04	
Benzene	82.6	1.000	ppm	60-120	10/10/24 08:28	10/10/24 17:04	
Butanes	80.2	1000	ppm	60-120	10/10/24 08:28	10/10/24 17:04	
2-Butanol	93.9	1000	ppm	60-120	10/10/24 08:28	10/10/24 17:04	
Cumene	70.0	35.00	ppm	60-120	10/10/24 08:28	10/10/24 17:04	
Cyclohexane	93.8	50.00	ppm	60-120	10/10/24 08:28	10/10/24 17:04	
Dichloromethane	95.8	50.00	ppm	60-120	10/10/24 08:28	10/10/24 17:04	
1,4-Dioxane	83.5	50.00	ppm	60-120	10/10/24 08:28	10/10/24 17:04	
2-Ethoxyethanol	68.3	80.00	ppm	60-120	10/10/24 08:28	10/10/24 17:04	
Ethyl acetate	94.6	1000	ppm	60-120	10/10/24 08:28	10/10/24 17:04	
Ethyl benzene	73.6	35.00	ppm	60-120	10/10/24 08:28	10/10/24 17:04	



Nolan Mundie
Lab Director - 10/14/2024



Quality Control Solvent Analysis (Continued)

Batch: 2441028 - 205 (Continued)

LCS(2441028-BS1)									
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes		
Ethylene glycol	32.1	310.0	ppm	60-120	10/10/24 08:28	10/10/24 17:04	BSL		
Ethylene oxide	94.3	25.00	ppm	60-120	10/10/24 08:28	10/10/24 17:04			
Ethyl ether	93.7	1000	ppm	60-120	10/10/24 08:28	10/10/24 17:04			
Heptane	90.5	1000	ppm	60-120	10/10/24 08:28	10/10/24 17:04			
Hexanes	88.8	50.00	ppm	60-120	10/10/24 08:28	10/10/24 17:04			
Isopropyl acetate	93.6	1000	ppm	60-120	10/10/24 08:28	10/10/24 17:04			
Methanol	96.2	1000	ppm	60-120	10/10/24 08:28	10/10/24 17:04			
Pentanes	85.6	1000	ppm	60-120	10/10/24 08:28	10/10/24 17:04			
Propane	70.9	1000	ppm	60-120	10/10/24 08:28	10/10/24 17:04			
2-Propanol (IPA)	101	1000	ppm	60-120	10/10/24 08:28	10/10/24 17:04			
Tetrahydrofuran	94.9	50.00	ppm	60-120	10/10/24 08:28	10/10/24 17:04			
Toluene	78.6	50.00	ppm	60-120	10/10/24 08:28	10/10/24 17:04			

Metals

Batch: 2441025 - 217

Blank(2441025-BLK1)									
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes		
Cadmium	< LOQ	0.08	ug/g		10/09/24 11:56	10/10/24 14:55			
Lead	< LOQ	0.08	ug/g		10/09/24 11:56	10/10/24 14:55			
Arsenic	< LOQ	0.08	ug/g		10/09/24 11:56	10/10/24 14:55			
Mercury	< LOQ	0.04	ug/g		10/09/24 11:56	10/10/24 14:55			

LCS(2441025-BS1)									
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes		
Cadmium	100	0.08	ug/g	80-115	10/09/24 11:56	10/10/24 14:57			
Lead	101	0.08	ug/g	80-115	10/09/24 11:56	10/10/24 14:57			
Arsenic	97.3	0.08	ug/g	80-115	10/09/24 11:56	10/10/24 14:57			
Mercury	91.1	0.04	ug/g	80-115	10/09/24 11:56	10/10/24 14:57			



Nolan Mundie
Lab Director - 10/14/2024

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.



Notes and Definitions

Regulatory Compliance samples were collected onsite at facility according to SOP-402 and SOP-403 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



Nolan Mundie
Lab Director - 10/14/2024

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.



12423 NE Whitaker Way
Portland, OR 97230
503-254-1794



Report Number: 24-011391/D001.R000
Report Date: 10/16/2024
ORELAP#: OR100028
Purchase Order:
Received: 10/09/24 10:38

Customer: GVB Oregon
Product identity: CBD Iso GVL-TST842
Client/Metric ID: .
Laboratory ID: 24-011391-0001

Summary

Microbiology:

Less than LOQ for all analytes.



12423 NE Whitaker Way
 Portland, OR 97230
 503-254-1794

Report Number: 24-011391/D001.R000
Report Date: 10/16/2024
ORELAP#: OR100028
Purchase Order:
Received: 10/09/24 10:38



Customer: GVB Oregon
 United States of America (USA)
Product identity: CBD Iso GVL-TST842
Client/Metric ID: .
Sample Date:
Laboratory ID: 24-011391-0001
Evidence of Cooling: No
Temp: 20.4 °C

Sample Results

Microbiology								
Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
E.coli	< LOQ		cfu/g	10	2407869	10/12/24 AOAC 991.14 (Petrifilm)		
Total Coliforms	< LOQ		cfu/g	10	2407869	10/12/24 AOAC 991.14 (Petrifilm)		
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2407870	10/13/24 AOAC 2014.05 (RAPID)		
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2407870	10/13/24 AOAC 2014.05 (RAPID)		



12423 NE Whitaker Way
Portland, OR 97230
503-254-1794



Report Number: 24-011391/D001.R000
Report Date: 10/16/2024
ORELAP#: OR100028
Purchase Order:
Received: 10/09/24 10:38

Abbreviations

Limits: Action Levels per OAR-333-007-0400, OAR-333-007-0210, OAR-333-007-0220, CCR title 16-division 42. BCC-section 5723

Limit(s) of Quantitation (LOQ): The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence.

Units of Measure

cfu/g = Colony forming units per gram

% wt = $\mu\text{g/g}$ divided by 10,000

Approved Signatory

Derrick Tanner
General Manager



12423 NE Whitaker Way
 Portland, OR 97230
 503-254-1794

Report Number: 24-011391/D001.R000
Report Date: 10/16/2024
ORELAP#: OR100028
Purchase Order:
Received: 10/09/24 10:38



Hemp & Cannabis
 Chain of Custody

GVB-Oregon-1728419049

Company Details Company: <u>GVB Oregon</u> Contact: <u>Bharath Pogula</u> Street Address: <u>374 NE Peters Rd</u> City, State, Zip: <u>Prineville, OR 97029</u> Email: <u>testing@gvbbiopharma.com</u> Contact Phone: <u>9737225455</u> Company Phone: <u>973-722-5455</u> Billing Information Billing Phone: <u>973-722-5455</u> Billing Email: <u>testing@gvbbiopharma.com</u>		Project Details Turnaround Time: <u>5 Business Days Reg. For Micro Testing Standard</u> Relinquishment Sampling, Courier & Shipping Options: <u>Drop Off at Laboratory</u> Receipt Information Prelog Storage: <u>Canna Shelves</u> Sample Condition: <u>Satisfactory</u>			Testing M283 - RAPID Yeast and Mold Count (RYM) Petri Im M075 - E. coli/Coliform Count (EC) Petri Im		
#	Sample Name	Material	Amount Provided	Reporting Unit	Additional Test Requests and Sample Comments		
1	CBD Iso G/L-TST842	Cannabinoid Extract	10 g	%	N/A	✓	✓

Relinquished By	Date	Time	Received By	Date	Time	Received Temp., °C	Evidence of Cooling?
<i>Bharath Pogula</i>	<i>10/08/2024</i>	<i>13:24</i>	<i>jinb</i>	<i>10/09/2024</i>	<i>10:38</i>	<i>20.4</i>	<i>No</i>

Samples submitted to Columbia Laboratories with testing requirements constitute an agreement for services in accordance with the [current terms of services](#) associated with this COC. By signing "Relinquished by" you are agreeing to these terms.

Columbia Laboratories
 12423 NE Whitaker Way
 Portland, OR 97230

P: (503) 254-1794
info@columbiolaboratories.com

Page 1 of 1
www.columbiolaboratories.com



12423 NE Whitaker Way
Portland, OR 97230
503-254-1794



Report Number: 24-011391/D001.R000
Report Date: 10/16/2024
ORELAP#: OR100028
Purchase Order:
Received: 10/09/24 10:38





Explanation of QC Flag Comments:

Code	Explanation
Q	Matrix interferences affecting spike or surrogate recoveries.
Q1	Quality control result biased high. Only non-detect samples reported.
Q2	Quality control outside QC limits. Data considered estimate.
Q3	Sample concentration greater than four times the amount spiked.
Q4	Non-homogenous sample matrix, affecting RPD result and/or % recoveries.
Q5	Spike results above calibration curve.
Q6	Quality control outside QC limits. Data acceptable based on remaining QC.
R	Relative percent difference (RPD) outside control limit.
R1	RPD non-calculable, as sample or duplicate results are less than five times the LOQ.
R2	Sample replicates RPD non-calculable, as only one replicate is within the analytical range.
LOQ1	Quantitation level raised due to low sample volume and/or dilution.
LOQ2	Quantitation level raised due to matrix interference.
B	Analyte detected in method blank, but not in associated samples.
B1	The sample concentration is greater than 5 times the blank concentration.
B2	The sample concentration is less than 5 times the blank concentration.