



CBD Iso GVL-TST921

Sample ID: G5B0205-01

Matrix: Hemp Extracts & Concentrates

Test ID: 5036829

Source ID:

Date Sampled: 02/20/25

Date Accepted: 02/20/25

Harvest/Prod. Date: 02.15.2025

GVB Oregon

info@gvbbiopharma.com

Results at a Glance

Total THC : <LOQ (0.0005%) %

Total CBD : 99.51 %

Pesticides : PASS

Residual Solvent Analysis : PASS

Metals : PASS



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GVB Oregon

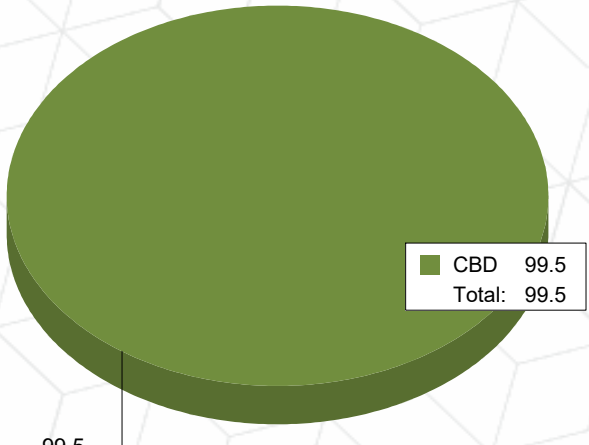
info@gvbbiopharma.com

Potency Analysis

Date/Time Extracted: 02/21/25 09:22

Analysis Method/SOP: 215

Batch Identification: 2508055

Cannabinoids	LOQ (%)	% by Wt.	mg/g	Cannabinoids Profile
Total THC	0.0005	< LOQ	< LOQ	
Total CBD	0.0431	99.51	995.1	
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	99.51	995.1	
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		99.51	995.1	

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



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Date Sampled: 02/20/25

Date Accepted: 02/20/25

Harvest/Prod. Date: 02.15.2025

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Pesticide Analysis in ppm

Date/Time Extracted: 02/21/25 12:00

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		Acetamiprid	< 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**.



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Harvest/Prod. Date: 02.15.2025

GVB Oregon

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Residual Solvents

Date/Time Extracted: 02/21/25 07:52

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**.



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Date Accepted: 02/20/25

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GVB Oregon

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Metals by ICPMS

Date/Time Extracted: 02/22/25 12:09

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**.



Quality Control Potency

Batch: 2508055 - 215-Concentrates

Blank(2508055-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	< LOQ	0.0005	%		02/21/25 09:22	02/21/25 18:18	
delta 9-THC	< LOQ	0.0005	%		02/21/25 09:22	02/21/25 18:18	
delta 8-THC	< LOQ	0.0934	%		02/21/25 09:22	02/21/25 18:18	
THCV	< LOQ	0.1052	%		02/21/25 09:22	02/21/25 18:18	
THCVA	< LOQ	0.0392	%		02/21/25 09:22	02/21/25 18:18	
CBD	< LOQ	0.0005	%		02/21/25 09:22	02/21/25 18:18	
CBDA	< LOQ	0.0005	%		02/21/25 09:22	02/21/25 18:18	
CBDV	< LOQ	0.1040	%		02/21/25 09:22	02/21/25 18:18	
CBDVA	< LOQ	0.0341	%		02/21/25 09:22	02/21/25 18:18	
CBN	< LOQ	0.0622	%		02/21/25 09:22	02/21/25 18:18	
CBG	< LOQ	0.0164	%		02/21/25 09:22	02/21/25 18:18	
CBGA	< LOQ	0.0164	%		02/21/25 09:22	02/21/25 18:18	
CBC	< LOQ	0.0186	%		02/21/25 09:22	02/21/25 18:18	

Reference(2508055-SRM1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	102	0.00009	%	90-110	02/21/25 09:22	02/21/25 18:44	
delta 9-THC	104	0.00009	%	90-110	02/21/25 09:22	02/21/25 18:44	
delta 8-THC	93.8	0.0176	%	90-110	02/21/25 09:22	02/21/25 18:44	
CBD	99.4	0.00009	%	90-110	02/21/25 09:22	02/21/25 18:44	
CBDA	101	0.00009	%	90-110	02/21/25 09:22	02/21/25 18:44	

Pesticide Analysis

Batch: 2508058 - 202

Blank(2508058-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Abamectin	< LOQ	0.10	ppm		02/21/25 12:00	02/21/25 19:35	
Acephate	< LOQ	0.10	ppm		02/21/25 12:00	02/21/25 19:35	
Acequinocyl	< LOQ	0.48	ppm		02/21/25 12:00	02/21/25 19:35	
Acetamiprid	< LOQ	0.10	ppm		02/21/25 12:00	02/21/25 19:35	
Aldicarb	< LOQ	0.10	ppm		02/21/25 12:00	02/21/25 19:35	
Azoxystrobin	< LOQ	0.10	ppm		02/21/25 12:00	02/21/25 19:35	
Bifenazate	< LOQ	0.10	ppm		02/21/25 12:00	02/21/25 19:35	
Bifenthrin	< LOQ	0.10	ppm		02/21/25 12:00	02/21/25 19:35	
Boscalid	< LOQ	0.10	ppm		02/21/25 12:00	02/21/25 17:23	
Carbaryl	< LOQ	0.10	ppm		02/21/25 12:00	02/21/25 19:35	
Carbofuran	< LOQ	0.10	ppm		02/21/25 12:00	02/21/25 19:35	
Chlorantraniliprole	< LOQ	0.10	ppm		02/21/25 12:00	02/21/25 19:35	
Chlorfenapyr	< LOQ	0.10	ppm		02/21/25 12:00	02/21/25 17:23	



Quality Control Pesticide Analysis (Continued)

Batch: 2508058 - 202 (Continued)

Blank(2508058-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Chlorpyrifos	< LOQ	0.10	ppm		02/21/25 12:00	02/21/25 19:35	
Clofentezine	< LOQ	0.10	ppm		02/21/25 12:00	02/21/25 19:35	
Daminozide	< LOQ	0.48	ppm		02/21/25 12:00	02/21/25 19:35	
Cyfluthrin	< LOQ	0.48	ppm		02/21/25 12:00	02/21/25 17:23	
Diazinon	< LOQ	0.10	ppm		02/21/25 12:00	02/21/25 19:35	
Cypermethrin	< LOQ	0.48	ppm		02/21/25 12:00	02/21/25 17:23	
Dimethoate	< LOQ	0.10	ppm		02/21/25 12:00	02/21/25 19:35	
Ethoprophos	< LOQ	0.10	ppm		02/21/25 12:00	02/21/25 19:35	
Etofenprox	< LOQ	0.10	ppm		02/21/25 12:00	02/21/25 19:35	
Etoxazole	< LOQ	0.10	ppm		02/21/25 12:00	02/21/25 19:35	
Fenoxycarb	< LOQ	0.10	ppm		02/21/25 12:00	02/21/25 19:35	
Fenpyroximate	< LOQ	0.20	ppm		02/21/25 12:00	02/21/25 19:35	
Flonicamid	< LOQ	0.10	ppm		02/21/25 12:00	02/21/25 19:35	
Hexythiazox	< LOQ	0.10	ppm		02/21/25 12:00	02/21/25 19:35	
Imazalil	< LOQ	0.10	ppm		02/21/25 12:00	02/21/25 19:35	
Fipronil	< LOQ	0.10	ppm		02/21/25 12:00	02/21/25 17:23	
Imidacloprid	< LOQ	0.10	ppm		02/21/25 12:00	02/21/25 19:35	
Fludioxonil	< LOQ	0.10	ppm		02/21/25 12:00	02/21/25 17:23	
Metalaxyl	< LOQ	0.10	ppm		02/21/25 12:00	02/21/25 19:35	
Methiocarb	< LOQ	0.10	ppm		02/21/25 12:00	02/21/25 19:35	
Methomyl	< LOQ	0.10	ppm		02/21/25 12:00	02/21/25 19:35	
Myclobutanil	< LOQ	0.10	ppm		02/21/25 12:00	02/21/25 19:35	
Kresoxim-methyl	< LOQ	0.10	ppm		02/21/25 12:00	02/21/25 17:23	
Naled	< LOQ	0.10	ppm		02/21/25 12:00	02/21/25 19:35	
Malathion	< LOQ	0.10	ppm		02/21/25 12:00	02/21/25 17:23	
Oxamyl	< LOQ	0.10	ppm		02/21/25 12:00	02/21/25 19:35	
Paclobutrazol	< LOQ	0.10	ppm		02/21/25 12:00	02/21/25 19:35	
Permethrins	< LOQ	0.10	ppm		02/21/25 12:00	02/21/25 19:35	
Methyl parathion	< LOQ	0.10	ppm		02/21/25 12:00	02/21/25 17:23	
MGK-264	< LOQ	0.10	ppm		02/21/25 12:00	02/21/25 17:23	
Phosmet	< LOQ	0.10	ppm		02/21/25 12:00	02/21/25 19:35	
Piperonyl butoxide	< LOQ	0.90	ppm		02/21/25 12:00	02/21/25 19:35	
Prallethrin	< LOQ	0.10	ppm		02/21/25 12:00	02/21/25 19:35	
Propoxur	< LOQ	0.10	ppm		02/21/25 12:00	02/21/25 19:35	
Pyrethrins	< LOQ	0.48	ppm		02/21/25 12:00	02/21/25 19:35	
Pyridaben	< LOQ	0.10	ppm		02/21/25 12:00	02/21/25 19:35	
Propiconazole	< LOQ	0.10	ppm		02/21/25 12:00	02/21/25 17:23	
Spinosad	< LOQ	0.10	ppm		02/21/25 12:00	02/21/25 19:35	



Quality Control Pesticide Analysis (Continued)

Batch: 2508058 - 202 (Continued)

Blank(2508058-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Spiromesifen	< LOQ	0.10	ppm		02/21/25 12:00	02/21/25 19:35	
Spirotetramat	< LOQ	0.10	ppm		02/21/25 12:00	02/21/25 19:35	
Spiroxamine	< LOQ	0.10	ppm		02/21/25 12:00	02/21/25 19:35	
Tebuconazole	< LOQ	0.10	ppm		02/21/25 12:00	02/21/25 19:35	
Thiacloprid	< LOQ	0.10	ppm		02/21/25 12:00	02/21/25 19:35	
Thiamethoxam	< LOQ	0.10	ppm		02/21/25 12:00	02/21/25 19:35	
Trifloxystrobin	< LOQ	0.10	ppm		02/21/25 12:00	02/21/25 19:35	
DDVP (Dichlorvos)	< LOQ	0.10	ppm		02/21/25 12:00	02/21/25 19:35	

LCS(2508058-BS1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Abamectin	125	0.10	ppm	50-150	02/21/25 12:00	02/21/25 20:01	
Acephate	118	0.10	ppm	60-120	02/21/25 12:00	02/21/25 20:01	
Acequinocyl	110	0.48	ppm	40-160	02/21/25 12:00	02/21/25 20:01	
Acetamiprid	119	0.10	ppm	60-120	02/21/25 12:00	02/21/25 20:01	
Aldicarb	115	0.10	ppm	60-120	02/21/25 12:00	02/21/25 20:01	
Azoxystrobin	116	0.10	ppm	60-120	02/21/25 12:00	02/21/25 20:01	
Bifenazate	135	0.10	ppm	60-120	02/21/25 12:00	02/21/25 20:01	BSH
Bifenthrin	134	0.10	ppm	50-150	02/21/25 12:00	02/21/25 20:01	
Boscalid	80.1	0.10	ppm	60-120	02/21/25 12:00	02/21/25 17:46	
Carbaryl	125	0.10	ppm	60-120	02/21/25 12:00	02/21/25 20:01	BSH
Carbofuran	120	0.10	ppm	60-120	02/21/25 12:00	02/21/25 20:01	
Chlorantraniliprole	116	0.10	ppm	60-120	02/21/25 12:00	02/21/25 20:01	
Chlorfenapyr	116	0.10	ppm	60-120	02/21/25 12:00	02/21/25 17:46	
Chlorpyrifos	94.7	0.10	ppm	60-120	02/21/25 12:00	02/21/25 20:01	
Clofentezine	116	0.10	ppm	60-120	02/21/25 12:00	02/21/25 20:01	
Daminozide	110	0.48	ppm	60-120	02/21/25 12:00	02/21/25 20:01	
Cyfluthrin	89.2	0.48	ppm	50-150	02/21/25 12:00	02/21/25 17:46	
Diazinon	110	0.10	ppm	60-120	02/21/25 12:00	02/21/25 20:01	
Cypermethrin	91.9	0.48	ppm	50-150	02/21/25 12:00	02/21/25 17:46	
Dimethoate	120	0.10	ppm	60-120	02/21/25 12:00	02/21/25 20:01	
Ethoprophos	110	0.10	ppm	60-120	02/21/25 12:00	02/21/25 20:01	
Etofenprox	117	0.10	ppm	50-150	02/21/25 12:00	02/21/25 20:01	
Etoxazole	114	0.10	ppm	60-120	02/21/25 12:00	02/21/25 20:01	
Fenoxycarb	110	0.10	ppm	60-120	02/21/25 12:00	02/21/25 20:01	
Fenpyroximate	118	0.20	ppm	60-120	02/21/25 12:00	02/21/25 20:01	
Flonicamid	118	0.10	ppm	60-120	02/21/25 12:00	02/21/25 20:01	
Hexythiazox	115	0.10	ppm	60-120	02/21/25 12:00	02/21/25 20:01	
Imazalil	102	0.10	ppm	60-120	02/21/25 12:00	02/21/25 20:01	



Quality Control Pesticide Analysis (Continued)

Batch: 2508058 - 202 (Continued)

LCS(2508058-BS1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Fipronil	84.2	0.10	ppm	60-120	02/21/25 12:00	02/21/25 17:46	
Imidacloprid	119	0.10	ppm	60-120	02/21/25 12:00	02/21/25 20:01	
Fludioxonil	78.3	0.10	ppm	50-150	02/21/25 12:00	02/21/25 17:46	
Metalaxyl	116	0.10	ppm	60-120	02/21/25 12:00	02/21/25 20:01	
Methiocarb	120	0.10	ppm	60-120	02/21/25 12:00	02/21/25 20:01	
Methomyl	109	0.10	ppm	60-120	02/21/25 12:00	02/21/25 20:01	
Myclobutanil	115	0.10	ppm	60-120	02/21/25 12:00	02/21/25 20:01	
Kresoxim-methyl	88.1	0.10	ppm	60-120	02/21/25 12:00	02/21/25 17:46	
Naled	111	0.10	ppm	50-150	02/21/25 12:00	02/21/25 20:01	
Malathion	84.3	0.10	ppm	60-120	02/21/25 12:00	02/21/25 17:46	
Oxamyl	110	0.10	ppm	60-120	02/21/25 12:00	02/21/25 20:01	
Paclobutrazol	115	0.10	ppm	60-120	02/21/25 12:00	02/21/25 20:01	
Permethrins	124	0.10	ppm	50-150	02/21/25 12:00	02/21/25 20:01	
Methyl parathion	77.6	0.10	ppm	50-150	02/21/25 12:00	02/21/25 17:46	
MGK-264	96.2	0.10	ppm	50-150	02/21/25 12:00	02/21/25 17:46	
Phosmet	119	0.10	ppm	50-150	02/21/25 12:00	02/21/25 20:01	
Piperonyl butoxide	142	0.90	ppm	60-120	02/21/25 12:00	02/21/25 20:01	BSH
Prallethrin	135	0.10	ppm	60-120	02/21/25 12:00	02/21/25 20:01	BSH
Propoxur	117	0.10	ppm	60-120	02/21/25 12:00	02/21/25 20:01	
Pyrethrins	112	0.48	ppm	60-120	02/21/25 12:00	02/21/25 20:01	
Pyridaben	117	0.10	ppm	50-150	02/21/25 12:00	02/21/25 20:01	
Propiconazole	74.4	0.10	ppm	60-120	02/21/25 12:00	02/21/25 17:46	
Spinosad	131	0.10	ppm	50-150	02/21/25 12:00	02/21/25 20:01	
Spiromesifen	115	0.10	ppm	60-120	02/21/25 12:00	02/21/25 20:01	
Spirotetramat	116	0.10	ppm	60-120	02/21/25 12:00	02/21/25 20:01	
Spiroxamine	105	0.10	ppm	60-120	02/21/25 12:00	02/21/25 20:01	
Tebuconazole	113	0.10	ppm	60-120	02/21/25 12:00	02/21/25 20:01	
Thiacloprid	115	0.10	ppm	60-120	02/21/25 12:00	02/21/25 20:01	
Thiamethoxam	116	0.10	ppm	60-120	02/21/25 12:00	02/21/25 20:01	
Trifloxystrobin	134	0.10	ppm	60-120	02/21/25 12:00	02/21/25 20:01	BSH
DDVP (Dichlorvos)	119	0.10	ppm	60-120	02/21/25 12:00	02/21/25 20:01	

Solvent Analysis

Batch: 2508054 - 205

Blank(2508054-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Acetone	< LOQ	1000	ppm		02/21/25 07:52	02/22/25 16:52	
Acetonitrile	< LOQ	50.00	ppm		02/21/25 07:52	02/22/25 16:52	



Nolan Mundie
Lab Director - 2/25/2025

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 Solvent Analysis (Continued)

Batch: 2508054 - 205 (Continued)

Blank(2508054-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Benzene	< LOQ	1.000	ppm		02/21/25 07:52	02/22/25 16:52	
Butanes	< LOQ	1000	ppm		02/21/25 07:52	02/22/25 16:52	
2-Butanol	< LOQ	1000	ppm		02/21/25 07:52	02/22/25 16:52	
Cumene	< LOQ	35.00	ppm		02/21/25 07:52	02/22/25 16:52	
Cyclohexane	< LOQ	50.00	ppm		02/21/25 07:52	02/22/25 16:52	
Dichloromethane	< LOQ	50.00	ppm		02/21/25 07:52	02/22/25 16:52	
1,4-Dioxane	< LOQ	50.00	ppm		02/21/25 07:52	02/22/25 16:52	
2-Ethoxyethanol	< LOQ	80.00	ppm		02/21/25 07:52	02/22/25 16:52	
Ethyl acetate	< LOQ	1000	ppm		02/21/25 07:52	02/22/25 16:52	
Ethyl benzene	< LOQ	35.00	ppm		02/21/25 07:52	02/22/25 16:52	
Ethylene glycol	< LOQ	310.0	ppm		02/21/25 07:52	02/22/25 16:52	
Ethylene oxide	< LOQ	25.00	ppm		02/21/25 07:52	02/22/25 16:52	
Ethyl ether	< LOQ	1000	ppm		02/21/25 07:52	02/22/25 16:52	
Heptane	< LOQ	1000	ppm		02/21/25 07:52	02/22/25 16:52	
Hexanes	< LOQ	50.00	ppm		02/21/25 07:52	02/22/25 16:52	
Isopropyl acetate	< LOQ	1000	ppm		02/21/25 07:52	02/22/25 16:52	
Methanol	< LOQ	1000	ppm		02/21/25 07:52	02/22/25 16:52	
Pentanes	< LOQ	1000	ppm		02/21/25 07:52	02/22/25 16:52	
Propane	< LOQ	1000	ppm		02/21/25 07:52	02/22/25 16:52	
2-Propanol (IPA)	< LOQ	1000	ppm		02/21/25 07:52	02/22/25 16:52	
Tetrahydrofuran	< LOQ	50.00	ppm		02/21/25 07:52	02/22/25 16:52	
Toluene	< LOQ	50.00	ppm		02/21/25 07:52	02/22/25 16:52	
Xylenes	< LOQ	50.00	ppm		02/21/25 07:52	02/22/25 16:52	

LCS(2508054-BS1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Acetone	93.3	1000	ppm	60-120	02/21/25 07:52	02/21/25 18:01	
Acetonitrile	88.9	50.00	ppm	60-120	02/21/25 07:52	02/21/25 18:01	
Benzene	76.2	1.000	ppm	60-120	02/21/25 07:52	02/21/25 18:01	
Butanes	115	1000	ppm	60-120	02/21/25 07:52	02/21/25 18:01	
2-Butanol	87.8	1000	ppm	60-120	02/21/25 07:52	02/21/25 18:01	
Cumene	63.8	35.00	ppm	60-120	02/21/25 07:52	02/21/25 18:01	
Cyclohexane	104	50.00	ppm	60-120	02/21/25 07:52	02/21/25 18:01	
Dichloromethane	94.8	50.00	ppm	60-120	02/21/25 07:52	02/21/25 18:01	
1,4-Dioxane	80.0	50.00	ppm	60-120	02/21/25 07:52	02/21/25 18:01	
2-Ethoxyethanol	64.0	80.00	ppm	60-120	02/21/25 07:52	02/21/25 18:01	
Ethyl acetate	92.3	1000	ppm	60-120	02/21/25 07:52	02/21/25 18:01	
Ethyl benzene	69.1	35.00	ppm	60-120	02/21/25 07:52	02/21/25 18:01	
Ethylene glycol	32.5	310.0	ppm	60-120	02/21/25 07:52	02/21/25 18:01	BSL



Quality Control Solvent Analysis (Continued)

Batch: 2508054 - 205 (Continued)

LCS(2508054-BS1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Ethylene oxide	97.0	25.00	ppm	60-120	02/21/25 07:52	02/21/25 18:01	
Ethyl ether	102	1000	ppm	60-120	02/21/25 07:52	02/21/25 18:01	
Heptane	105	1000	ppm	60-120	02/21/25 07:52	02/21/25 18:01	
Hexanes	105	50.00	ppm	60-120	02/21/25 07:52	02/21/25 18:01	
Isopropyl acetate	90.2	1000	ppm	60-120	02/21/25 07:52	02/21/25 18:01	
Methanol	90.8	1000	ppm	60-120	02/21/25 07:52	02/21/25 18:01	
Pentanes	108	1000	ppm	60-120	02/21/25 07:52	02/21/25 18:01	
Propane	130	1000	ppm	60-120	02/21/25 07:52	02/21/25 18:01	BSH
2-Propanol (IPA)	91.7	1000	ppm	60-120	02/21/25 07:52	02/21/25 18:01	
Tetrahydrofuran	93.6	50.00	ppm	60-120	02/21/25 07:52	02/21/25 18:01	
Toluene	76.5	50.00	ppm	60-120	02/21/25 07:52	02/21/25 18:01	

Metals

Batch: 2508068 - 217

Blank(2508068-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Cadmium	< LOQ	0.08	ug/g		02/22/25 12:09	02/22/25 15:57	
Lead	< LOQ	0.08	ug/g		02/22/25 12:09	02/22/25 15:57	
Arsenic	< LOQ	0.08	ug/g		02/22/25 12:09	02/22/25 15:57	
Mercury	< LOQ	0.04	ug/g		02/22/25 12:09	02/22/25 15:57	

LCS(2508068-BS1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Cadmium	96.6	0.08	ug/g	80-115	02/22/25 12:09	02/22/25 15:58	
Lead	101	0.08	ug/g	80-115	02/22/25 12:09	02/22/25 15:58	
Arsenic	95.7	0.08	ug/g	80-115	02/22/25 12:09	02/22/25 15:58	
Mercury	96.8	0.04	ug/g	80-115	02/22/25 12:09	02/22/25 15:58	



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
C	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
TPP	recovery accuracy in Matrix Spike.
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



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



Report Number: 25-001684/D001.R000
Report Date: 02/25/2025
ORELAP#: OR100028
Purchase Order:
Received: 02/18/25 10:21

Customer: Central Oregon Processing
Product identity: CBD Iso GVL-TST921
Metrc ID: .
Metrc Source ID:
Laboratory ID: 25-001684-0001

Summary

Microbiology:

Less than LOQ for all analytes.



Customer: Central Oregon Processing
 212 NE North St.
 Grass Valley Oregon 97029
 United States of America (USA)

Product identity: CBD Iso GVL-TST921

Metrc ID: .

Metrc Source ID:

Material: Cannabinoid Isolate

Sample Date:

Laboratory ID: 25-001684-0001

Evidence of Cooling: No

Temp: 21.4 °C

Sample Results

Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
E.coli	< LOQ		cfu/g	10	2501158	02/21/25 AOAC 991.14 (Petrifilm)		
Total Coliforms	< LOQ		cfu/g	10	2501158	02/21/25 AOAC 991.14 (Petrifilm)		
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2501159	02/22/25 AOAC 2014.05 (RAPID)		
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2501159	02/22/25 AOAC 2014.05 (RAPID)		



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503-254-1794



Report Number: 25-001684/D001.R000
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Received: 02/18/25 10:21

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



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



Report Number: 25-001684/D001.R000
Report Date: 02/25/2025
ORELAP#: OR100028
Purchase Order:
Received: 02/18/25 10:21



Hemp & Cannabis
Chain of Custody

Central-Oregon-
Processing-1739821066

					Testing	
Company Details Company: <u>Central Oregon Processing</u> Contact: <u>Bharath Pogula</u> Street Address: <u>374 NE Peters Rd</u> City, State, Zip: <u>Prineville, OR 97754</u> Email: <u>bharath@gvbbiopharma.com</u> Contact Phone: <u>9737225455</u> Billing Information Billing Email: <u>bharath@gvbbiopharma.com</u>			Project Details Turnaround Time: <u>5 Business Days</u> <u>Reg. For Micro Testing</u> <u>Standard</u> Relinquishment Sampling, Courier & Shipping Options: <u>By Shipping Service</u> (USPS, UPS, Fedex) Receipt Information Evidence of Cooling?: <u>No</u> Sample Condition: <u>Satisfactory</u> Prelog Storage: <u>Canna Shelves</u>		M283 - RAPID Yeast and Mold Count (RYM) Petrifilm	M075 - E. coli/Coliform Count (EC) Petrifilm
#			Sample Name	Material	Amount Provided	Reporting Unit
1	CBD Iso GVL-TST921	Cannabinoid Isolate	10 g	%	✓	✓

Relinquished By	Date	Time	Received By	Date	Time	Received Temp., °C	IR Therm. CL#
Bharath Pogula	02/17/2025	11:37	sm	02/18/2025	10:21	214	CL - 0494

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

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info@columbialaboratories.com

Page 1 of 1
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503-254-1794



Report Number: 25-001684/D001.R000
Report Date: 02/25/2025
ORELAP#: OR100028
Purchase Order:
Received: 02/18/25 10:21





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.