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

Quality Control Testing
Official Report

CBD Iso GVL-TST950

Sample ID: G5D0208-01 **Matrix:** Hemp Extracts & Concentrates
Test ID: 5037114
Source ID:
Date Sampled: 04/17/25 **Date Accepted:** 04/17/25

Harvest/Prod. Date: 04.16.2025

GVB Oregon
info@gvbbiopharma.com

Results at a Glance

Total THC : **<LOQ (0.0005%) %**

Total CBD : **99.87 %**

Pesticides : **PASS**

Residual Solvent Analysis : **PASS**

Metals : **PASS**

ISO 17025 ACCREDITED LABORATORY

Nolan Mundie
Lab Director - 4/21/2025

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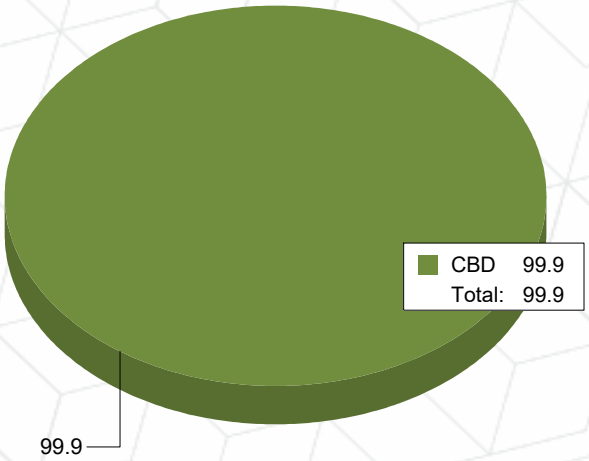
Potency Analysis

Date/Time Extracted: 04/17/25 10:55 **Analysis Method/SOP: 215** **Batch Identification: 2516044**

Cannabinoids	LOQ (%)	% by Wt.	mg/g
Total THC	0.0005	< LOQ	< LOQ
Total CBD	0.0431	99.87	998.7
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	99.87	998.7
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		99.87	998.7

Cannabinoids Profile



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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Source ID:
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Harvest/Prod. Date: 04.16.2025

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Pesticide Analysis in ppm

Date/Time Extracted: 04/18/25 12:17
Analysis Method/SOP: 202

Analyte	Result	Action Level	LOD	LOQ	Units	Notes	Analyte	Result	Action Level	LOD	LOQ	Units	Notes
Abamectin	< LOQ	0.5		0.08	ppm		Acephate	< LOQ	0.4		0.08	ppm	
Acequinocyl	< LOQ	2		0.41	ppm		Acetamiprid	< LOQ	0.2		0.08	ppm	
Aldicarb	< LOQ	0.4		0.08	ppm		Azoxystrobin	< LOQ	0.2		0.08	ppm	
Bifenazate	< LOQ	0.2		0.08	ppm		Bifenthrin	< LOQ	0.2		0.08	ppm	
Boscalid	< LOQ	0.4		0.08	ppm		Carbaryl	< LOQ	0.2		0.08	ppm	
Carbofuran	< LOQ	0.2		0.08	ppm		Chlorantraniliprole	< LOQ	0.2		0.08	ppm	
Chlorfenapyr	< LOQ	1		0.08	ppm		Chlorpyrifos	< LOQ	0.2		0.08	ppm	
Clofentezine	< LOQ	0.2		0.08	ppm		Cyfluthrin	< LOQ	1		0.41	ppm	
Cypermethrin	< LOQ	1		0.41	ppm		Daminozide	< LOQ	1		0.41	ppm	
DDVP (Dichlorvos)	< LOQ	1		0.08	ppm		Diazinon	< LOQ	0.2		0.08	ppm	
Dimethoate	< LOQ	0.2		0.08	ppm		Ethoprophos	< LOQ	0.2		0.08	ppm	
Etofenprox	< LOQ	0.4		0.08	ppm		Etoxazole	< LOQ	0.2		0.08	ppm	
Fenoxycarb	< LOQ	0.2		0.08	ppm		Fenpyroximate	< LOQ	0.4		0.17	ppm	
Fipronil	< LOQ	0.4		0.08	ppm		Flonicamid	< LOQ	1		0.08	ppm	
Fludioxonil	< LOQ	0.4		0.08	ppm		Hexythiazox	< LOQ	1		0.08	ppm	
Imazalil	< LOQ	0.2		0.08	ppm		Imidacloprid	< LOQ	0.4		0.08	ppm	
Kresoxim-methyl	< LOQ	0.4		0.08	ppm		Malathion	< LOQ	0.2		0.08	ppm	
Metalaxyl	< LOQ	0.2		0.08	ppm		Methiocarb	< LOQ	0.2		0.08	ppm	
Methomyl	< LOQ	0.4		0.08	ppm		Methyl parathion	< LOQ	0.2		0.08	ppm	
MGK-264	< LOQ	0.2		0.08	ppm		Myclobutanil	< LOQ	0.2		0.08	ppm	
Naled	< LOQ	0.5		0.08	ppm		Oxamyl	< LOQ	1		0.08	ppm	
Paclobutrazol	< LOQ	0.4		0.08	ppm		Permethrins	< LOQ	0.2		0.08	ppm	
Phosmet	< LOQ	0.2		0.08	ppm		Piperonyl butoxide	< LOQ	2		0.77	ppm	
Prallethrin	< LOQ	0.2		0.08	ppm		Propiconazole	< LOQ	0.4		0.08	ppm	
Propoxur	< LOQ	0.2		0.08	ppm		Pyrethrins	< LOQ	1		0.41	ppm	
Pyridaben	< LOQ	0.2		0.08	ppm		Spinosad	< LOQ	0.2		0.08	ppm	
Spiromesifen	< LOQ	0.2		0.08	ppm		Spirotetramat	< LOQ	0.2		0.08	ppm	
Spiroxamine	< LOQ	0.4		0.08	ppm		Tebuconazole	< LOQ	0.4		0.08	ppm	
Thiacloprid	< LOQ	0.2		0.08	ppm		Thiamethoxam	< LOQ	0.2		0.08	ppm	
Trifloxystrobin	< LOQ	0.2		0.08	ppm								

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

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Lab Director - 4/21/2025

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Harvest/Prod. Date: 04.16.2025

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Residual Solvents

Date/Time Extracted: 04/18/25 12:18 **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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Harvest/Prod. Date: 04.16.2025

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Metals by ICPMS

Date/Time Extracted: 04/17/25 13:19 **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
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Quality Control Testing
Official Report

Quality Control

Potency

Batch: 2516044 - 215-Concentrates

Blank(2516044-BLK1)

Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	< LOQ	0.0002	%		04/17/25 10:55	04/18/25 01:01	
delta 9-THC	< LOQ	0.0002	%		04/17/25 10:55	04/18/25 01:01	
delta 8-THC	< LOQ	0.0461	%		04/17/25 10:55	04/18/25 01:01	
THCV	< LOQ	0.0519	%		04/17/25 10:55	04/18/25 01:01	
THCVA	< LOQ	0.0193	%		04/17/25 10:55	04/18/25 01:01	
CBD	< LOQ	0.0002	%		04/17/25 10:55	04/18/25 01:01	
CBDA	< LOQ	0.0002	%		04/17/25 10:55	04/18/25 01:01	
CBDV	< LOQ	0.0513	%		04/17/25 10:55	04/18/25 01:01	
CBDVA	< LOQ	0.0168	%		04/17/25 10:55	04/18/25 01:01	
CBN	< LOQ	0.0307	%		04/17/25 10:55	04/18/25 01:01	
CBG	< LOQ	0.0081	%		04/17/25 10:55	04/18/25 01:01	
CBGA	< LOQ	0.0081	%		04/17/25 10:55	04/18/25 01:01	
CBC	< LOQ	0.0092	%		04/17/25 10:55	04/18/25 01:01	

Reference(2516044-SRM1)

Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	90.3	0.0001	%	90-110	04/17/25 10:55	04/18/25 01:25	
delta 9-THC	93.7	0.0001	%	90-110	04/17/25 10:55	04/18/25 01:25	
delta 8-THC	93.2	0.0183	%	90-110	04/17/25 10:55	04/18/25 01:25	
CBD	91.7	0.0001	%	90-110	04/17/25 10:55	04/18/25 01:25	
CBDA	93.7	0.0001	%	90-110	04/17/25 10:55	04/18/25 01:25	

Pesticide Analysis

Batch: 2516064 - 202

Blank(2516064-BLK1)

Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Abamectin	< LOQ	0.10	ppm		04/18/25 12:17	04/18/25 14:56	
Acephate	< LOQ	0.10	ppm		04/18/25 12:17	04/18/25 14:56	
Acequinocyl	< LOQ	0.48	ppm		04/18/25 12:17	04/18/25 14:56	
Acetamiprid	< LOQ	0.10	ppm		04/18/25 12:17	04/18/25 14:56	
Aldicarb	< LOQ	0.10	ppm		04/18/25 12:17	04/18/25 14:56	
Azoxystrobin	< LOQ	0.10	ppm		04/18/25 12:17	04/18/25 14:56	
Bifenazate	< LOQ	0.10	ppm		04/18/25 12:17	04/18/25 14:56	
Bifenthrin	< LOQ	0.10	ppm		04/18/25 12:17	04/18/25 14:56	
Boscalid	< LOQ	0.10	ppm		04/18/25 12:17	04/18/25 19:27	
Carbaryl	< LOQ	0.10	ppm		04/18/25 12:17	04/18/25 14:56	
Carbofuran	< LOQ	0.10	ppm		04/18/25 12:17	04/18/25 14:56	
Chlorantraniliprole	< LOQ	0.10	ppm		04/18/25 12:17	04/18/25 14:56	
Chlorfenapyr	< LOQ	0.10	ppm		04/18/25 12:17	04/18/25 19:27	

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Quality Control

Pesticide Analysis (Continued)

Batch: 2516064 - 202 (Continued)

Blank(2516064-BLK1)

Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Chlorpyrifos	< LOQ	0.10	ppm		04/18/25 12:17	04/18/25 14:56	
Clofentezine	< LOQ	0.10	ppm		04/18/25 12:17	04/18/25 14:56	
Daminozide	< LOQ	0.48	ppm		04/18/25 12:17	04/18/25 14:56	
Cyfluthrin	< LOQ	0.48	ppm		04/18/25 12:17	04/18/25 19:27	
Diazinon	< LOQ	0.10	ppm		04/18/25 12:17	04/18/25 14:56	
Cypermethrin	< LOQ	0.48	ppm		04/18/25 12:17	04/18/25 19:27	
Dimethoate	< LOQ	0.10	ppm		04/18/25 12:17	04/18/25 14:56	
Ethoprophos	< LOQ	0.10	ppm		04/18/25 12:17	04/18/25 14:56	
Etofenprox	< LOQ	0.10	ppm		04/18/25 12:17	04/18/25 14:56	
Etoxazole	< LOQ	0.10	ppm		04/18/25 12:17	04/18/25 14:56	
Fenoxycarb	< LOQ	0.10	ppm		04/18/25 12:17	04/18/25 14:56	
Fenpyroximate	< LOQ	0.20	ppm		04/18/25 12:17	04/18/25 14:56	
Flonicamid	< LOQ	0.10	ppm		04/18/25 12:17	04/18/25 14:56	
Hexythiazox	< LOQ	0.10	ppm		04/18/25 12:17	04/18/25 14:56	
Imazalil	< LOQ	0.10	ppm		04/18/25 12:17	04/18/25 14:56	
Fipronil	< LOQ	0.10	ppm		04/18/25 12:17	04/18/25 19:27	
Imidacloprid	< LOQ	0.10	ppm		04/18/25 12:17	04/18/25 14:56	
Fludioxonil	< LOQ	0.10	ppm		04/18/25 12:17	04/18/25 19:27	
Metalaxyl	< LOQ	0.10	ppm		04/18/25 12:17	04/18/25 14:56	
Methiocarb	< LOQ	0.10	ppm		04/18/25 12:17	04/18/25 14:56	
Methomyl	< LOQ	0.10	ppm		04/18/25 12:17	04/18/25 14:56	
Myclobutanil	< LOQ	0.10	ppm		04/18/25 12:17	04/18/25 14:56	
Kresoxim-methyl	< LOQ	0.10	ppm		04/18/25 12:17	04/18/25 19:27	
Naled	< LOQ	0.10	ppm		04/18/25 12:17	04/18/25 14:56	
Malathion	< LOQ	0.10	ppm		04/18/25 12:17	04/18/25 19:27	
Oxamyl	< LOQ	0.10	ppm		04/18/25 12:17	04/18/25 14:56	
Paclobutrazol	< LOQ	0.10	ppm		04/18/25 12:17	04/18/25 14:56	
Permethrins	< LOQ	0.10	ppm		04/18/25 12:17	04/18/25 14:56	
Methyl parathion	< LOQ	0.10	ppm		04/18/25 12:17	04/18/25 19:27	
MGK-264	< LOQ	0.10	ppm		04/18/25 12:17	04/18/25 19:27	
Phosmet	< LOQ	0.10	ppm		04/18/25 12:17	04/18/25 14:56	
Piperonyl butoxide	< LOQ	0.90	ppm		04/18/25 12:17	04/18/25 14:56	
Prallethrin	< LOQ	0.10	ppm		04/18/25 12:17	04/18/25 14:56	
Propoxur	< LOQ	0.10	ppm		04/18/25 12:17	04/18/25 14:56	
Pyrethrins	< LOQ	0.48	ppm		04/18/25 12:17	04/18/25 14:56	
Pyridaben	< LOQ	0.10	ppm		04/18/25 12:17	04/18/25 14:56	
Propiconazole	< LOQ	0.10	ppm		04/18/25 12:17	04/18/25 19:27	
Spinosad	< LOQ	0.10	ppm		04/18/25 12:17	04/18/25 14:56	

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Quality Control

Pesticide Analysis (Continued)

Batch: 2516064 - 202 (Continued)

Blank(2516064-BLK1)

Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Spiromesifen	< LOQ	0.10	ppm		04/18/25 12:17	04/18/25 14:56	
Spirotetramat	< LOQ	0.10	ppm		04/18/25 12:17	04/18/25 14:56	
Spiroxamine	< LOQ	0.10	ppm		04/18/25 12:17	04/18/25 14:56	
Tebuconazole	< LOQ	0.10	ppm		04/18/25 12:17	04/18/25 14:56	
Thiacloprid	< LOQ	0.10	ppm		04/18/25 12:17	04/18/25 14:56	
Thiamethoxam	< LOQ	0.10	ppm		04/18/25 12:17	04/18/25 14:56	
Trifloxystrobin	< LOQ	0.10	ppm		04/18/25 12:17	04/18/25 14:56	
DDVP (Dichlorvos)	< LOQ	0.10	ppm		04/18/25 12:17	04/18/25 14:56	

LCS(2516064-BS1)

Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Abamectin	114	0.10	ppm	50-150	04/18/25 12:17	04/18/25 15:22	
Acephate	91.6	0.10	ppm	60-120	04/18/25 12:17	04/18/25 15:22	
Acequinocyl	99.6	0.48	ppm	40-160	04/18/25 12:17	04/18/25 15:22	
Acetamiprid	109	0.10	ppm	60-120	04/18/25 12:17	04/18/25 15:22	
Aldicarb	106	0.10	ppm	60-120	04/18/25 12:17	04/18/25 15:22	
Azoxystrobin	106	0.10	ppm	60-120	04/18/25 12:17	04/18/25 15:22	
Bifenazate	139	0.10	ppm	60-120	04/18/25 12:17	04/18/25 15:22	BSH
Bifenthrin	129	0.10	ppm	50-150	04/18/25 12:17	04/18/25 15:22	
Boscalid	86.8	0.10	ppm	60-120	04/18/25 12:17	04/18/25 19:51	
Carbaryl	106	0.10	ppm	60-120	04/18/25 12:17	04/18/25 15:22	
Carbofuran	108	0.10	ppm	60-120	04/18/25 12:17	04/18/25 15:22	
Chlorantraniliprole	108	0.10	ppm	60-120	04/18/25 12:17	04/18/25 15:22	
Chlorfenapyr	112	0.10	ppm	60-120	04/18/25 12:17	04/18/25 19:51	
Chlorpyrifos	105	0.10	ppm	60-120	04/18/25 12:17	04/18/25 15:22	
Clofentezine	105	0.10	ppm	60-120	04/18/25 12:17	04/18/25 15:22	
Daminozide	118	0.48	ppm	60-120	04/18/25 12:17	04/18/25 15:22	
Cyfluthrin	107	0.48	ppm	50-150	04/18/25 12:17	04/18/25 19:51	
Diazinon	110	0.10	ppm	60-120	04/18/25 12:17	04/18/25 15:22	
Cypermethrin	77.1	0.48	ppm	50-150	04/18/25 12:17	04/18/25 19:51	
Dimethoate	110	0.10	ppm	60-120	04/18/25 12:17	04/18/25 15:22	
Ethoprophos	105	0.10	ppm	60-120	04/18/25 12:17	04/18/25 15:22	
Etofenprox	112	0.10	ppm	50-150	04/18/25 12:17	04/18/25 15:22	
Etoxazole	107	0.10	ppm	60-120	04/18/25 12:17	04/18/25 15:22	
Fenoxycarb	101	0.10	ppm	60-120	04/18/25 12:17	04/18/25 15:22	
Fenpyroximate	102	0.20	ppm	60-120	04/18/25 12:17	04/18/25 15:22	
Flonicamid	112	0.10	ppm	60-120	04/18/25 12:17	04/18/25 15:22	
Hexythiazox	102	0.10	ppm	60-120	04/18/25 12:17	04/18/25 15:22	
Imazalil	102	0.10	ppm	60-120	04/18/25 12:17	04/18/25 15:22	

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Nolan Mundie
Lab Director - 4/21/2025

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Quality Control

Pesticide Analysis (Continued)

Batch: 2516064 - 202 (Continued)

LCS(2516064-BS1)

Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Fipronil	97.2	0.10	ppm	60-120	04/18/25 12:17	04/18/25 19:51	
Imidacloprid	113	0.10	ppm	60-120	04/18/25 12:17	04/18/25 15:22	
Fludioxonil	83.3	0.10	ppm	50-150	04/18/25 12:17	04/18/25 19:51	
Metalaxyl	106	0.10	ppm	60-120	04/18/25 12:17	04/18/25 15:22	
Methiocarb	105	0.10	ppm	60-120	04/18/25 12:17	04/18/25 15:22	
Methomyl	104	0.10	ppm	60-120	04/18/25 12:17	04/18/25 15:22	
Myclobutanil	96.2	0.10	ppm	60-120	04/18/25 12:17	04/18/25 15:22	
Kresoxim-methyl	111	0.10	ppm	60-120	04/18/25 12:17	04/18/25 19:51	
Naled	108	0.10	ppm	50-150	04/18/25 12:17	04/18/25 15:22	
Malathion	109	0.10	ppm	60-120	04/18/25 12:17	04/18/25 19:51	
Oxamyl	107	0.10	ppm	60-120	04/18/25 12:17	04/18/25 15:22	
Paclobutrazol	96.7	0.10	ppm	60-120	04/18/25 12:17	04/18/25 15:22	
Permethrins	115	0.10	ppm	50-150	04/18/25 12:17	04/18/25 15:22	
Methyl parathion	87.0	0.10	ppm	50-150	04/18/25 12:17	04/18/25 19:51	
MGK-264	97.0	0.10	ppm	50-150	04/18/25 12:17	04/18/25 19:51	
Phosmet	108	0.10	ppm	50-150	04/18/25 12:17	04/18/25 15:22	
Piperonyl butoxide	136	0.90	ppm	60-120	04/18/25 12:17	04/18/25 15:22	BSH
Prallethrin	149	0.10	ppm	60-120	04/18/25 12:17	04/18/25 15:22	BSH
Propoxur	106	0.10	ppm	60-120	04/18/25 12:17	04/18/25 15:22	
Pyrethrins	103	0.48	ppm	60-120	04/18/25 12:17	04/18/25 15:22	
Pyridaben	103	0.10	ppm	50-150	04/18/25 12:17	04/18/25 15:22	
Propiconazole	89.9	0.10	ppm	60-120	04/18/25 12:17	04/18/25 19:51	
Spinosad	105	0.10	ppm	50-150	04/18/25 12:17	04/18/25 15:22	
Spiromesifen	103	0.10	ppm	60-120	04/18/25 12:17	04/18/25 15:22	
Spirotetramat	113	0.10	ppm	60-120	04/18/25 12:17	04/18/25 15:22	
Spiroxamine	108	0.10	ppm	60-120	04/18/25 12:17	04/18/25 15:22	
Tebuconazole	94.3	0.10	ppm	60-120	04/18/25 12:17	04/18/25 15:22	
Thiacloprid	108	0.10	ppm	60-120	04/18/25 12:17	04/18/25 15:22	
Thiamethoxam	111	0.10	ppm	60-120	04/18/25 12:17	04/18/25 15:22	
Trifloxystrobin	130	0.10	ppm	60-120	04/18/25 12:17	04/18/25 15:22	BSH
DDVP (Dichlorvos)	104	0.10	ppm	60-120	04/18/25 12:17	04/18/25 15:22	

Solvent Analysis

Batch: 2516065 - 205

Blank(2516065-BLK1)

Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Acetone	< LOQ	1000	ppm		04/18/25 12:18	04/21/25 10:25	
Acetonitrile	< LOQ	50.00	ppm		04/18/25 12:18	04/21/25 10:25	

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Nolan Mundie
Lab Director - 4/21/2025

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Quality Control

Solvent Analysis (Continued)

Batch: 2516065 - 205 (Continued)

Blank(2516065-BLK1)

Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Benzene	< LOQ	1.000	ppm		04/18/25 12:18	04/21/25 10:25	
Butanes	< LOQ	1000	ppm		04/18/25 12:18	04/21/25 10:25	
2-Butanol	< LOQ	1000	ppm		04/18/25 12:18	04/21/25 10:25	
Cumene	< LOQ	35.00	ppm		04/18/25 12:18	04/21/25 10:25	
Cyclohexane	< LOQ	50.00	ppm		04/18/25 12:18	04/21/25 10:25	
Dichloromethane	< LOQ	50.00	ppm		04/18/25 12:18	04/21/25 10:25	
1,4-Dioxane	< LOQ	50.00	ppm		04/18/25 12:18	04/21/25 10:25	
2-Ethoxyethanol	< LOQ	80.00	ppm		04/18/25 12:18	04/21/25 10:25	
Ethyl acetate	< LOQ	1000	ppm		04/18/25 12:18	04/21/25 10:25	
Ethyl benzene	< LOQ	35.00	ppm		04/18/25 12:18	04/21/25 10:25	
Ethylene glycol	< LOQ	310.0	ppm		04/18/25 12:18	04/21/25 10:25	
Ethylene oxide	< LOQ	25.00	ppm		04/18/25 12:18	04/21/25 10:25	
Ethyl ether	< LOQ	1000	ppm		04/18/25 12:18	04/21/25 10:25	
Heptane	< LOQ	1000	ppm		04/18/25 12:18	04/21/25 10:25	
Hexanes	< LOQ	50.00	ppm		04/18/25 12:18	04/21/25 10:25	
Isopropyl acetate	< LOQ	1000	ppm		04/18/25 12:18	04/21/25 10:25	
Methanol	< LOQ	1000	ppm		04/18/25 12:18	04/21/25 10:25	
Pentanes	< LOQ	1000	ppm		04/18/25 12:18	04/21/25 10:25	
Propane	< LOQ	1000	ppm		04/18/25 12:18	04/21/25 10:25	
2-Propanol (IPA)	< LOQ	1000	ppm		04/18/25 12:18	04/21/25 10:25	
Tetrahydrofuran	< LOQ	50.00	ppm		04/18/25 12:18	04/21/25 10:25	
Toluene	< LOQ	50.00	ppm		04/18/25 12:18	04/21/25 10:25	
Xylenes	< LOQ	50.00	ppm		04/18/25 12:18	04/21/25 10:25	

LCS(2516065-BS1)

Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Acetone	109	1000	ppm	60-120	04/18/25 12:18	04/20/25 00:56	
Acetonitrile	112	50.00	ppm	60-120	04/18/25 12:18	04/20/25 00:56	
Benzene	101	1.000	ppm	60-120	04/18/25 12:18	04/20/25 00:56	
Butanes	103	1000	ppm	60-120	04/18/25 12:18	04/20/25 00:56	
2-Butanol	115	1000	ppm	60-120	04/18/25 12:18	04/20/25 00:56	
Cumene	101	35.00	ppm	60-120	04/18/25 12:18	04/20/25 00:56	
Cyclohexane	109	50.00	ppm	60-120	04/18/25 12:18	04/20/25 00:56	
Dichloromethane	110	50.00	ppm	60-120	04/18/25 12:18	04/20/25 00:56	
1,4-Dioxane	110	50.00	ppm	60-120	04/18/25 12:18	04/20/25 00:56	
2-Ethoxyethanol	124	80.00	ppm	60-120	04/18/25 12:18	04/20/25 00:56	BSH
Ethyl acetate	110	1000	ppm	60-120	04/18/25 12:18	04/20/25 00:56	
Ethyl benzene	101	35.00	ppm	60-120	04/18/25 12:18	04/20/25 00:56	
Ethylene glycol	133	310.0	ppm	60-120	04/18/25 12:18	04/20/25 00:56	BSH

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Nolan Mundie
Lab Director - 4/21/2025

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Quality Control

Solvent Analysis (Continued)

Batch: 2516065 - 205 (Continued)

LCS(2516065-BS1)

Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Ethylene oxide	105	25.00	ppm	60-120	04/18/25 12:18	04/20/25 00:56	
Ethyl ether	107	1000	ppm	60-120	04/18/25 12:18	04/20/25 00:56	
Heptane	110	1000	ppm	60-120	04/18/25 12:18	04/20/25 00:56	
Hexanes	106	50.00	ppm	60-120	04/18/25 12:18	04/20/25 00:56	
Isopropyl acetate	110	1000	ppm	60-120	04/18/25 12:18	04/20/25 00:56	
Methanol	106	1000	ppm	60-120	04/18/25 12:18	04/20/25 00:56	
Pentanes	105	1000	ppm	60-120	04/18/25 12:18	04/20/25 00:56	
Propane	92.0	1000	ppm	60-120	04/18/25 12:18	04/20/25 00:56	
2-Propanol (IPA)	112	1000	ppm	60-120	04/18/25 12:18	04/20/25 00:56	
Tetrahydrofuran	112	50.00	ppm	60-120	04/18/25 12:18	04/20/25 00:56	
Toluene	101	50.00	ppm	60-120	04/18/25 12:18	04/20/25 00:56	
Xylenes	101	50.00	ppm	60-120	04/18/25 12:18	04/20/25 00:56	

Metals

Batch: 2516051 - 217

Blank(2516051-BLK1)

Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Cadmium	< LOQ	0.08	ug/g		04/17/25 13:19	04/18/25 15:37	
Lead	< LOQ	0.08	ug/g		04/17/25 13:19	04/18/25 15:37	
Arsenic	< LOQ	0.08	ug/g		04/17/25 13:19	04/18/25 15:37	
Mercury	< LOQ	0.04	ug/g		04/17/25 13:19	04/18/25 15:37	

LCS(2516051-BS1)

Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Cadmium	100	0.08	ug/g	80-115	04/17/25 13:19	04/18/25 15:38	
Lead	104	0.08	ug/g	80-115	04/17/25 13:19	04/18/25 15:38	
Arsenic	101	0.08	ug/g	80-115	04/17/25 13:19	04/18/25 15:38	
Mercury	103	0.04	ug/g	80-115	04/17/25 13:19	04/18/25 15:38	

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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

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Nolan Mundie
Lab Director - 4/21/2025

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Columbia LABORATORIES
A Tentamus Company

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

Report Number: 25-004122/D001.R000
Report Date: 04/23/2025
ORELAP#: OR100028
Purchase Order:
Received: 04/17/25 10:18

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

Product identity: CBD Iso GVL-TST950
Metrc ID: .
Metrc Source ID:
Material: Cannabinoid Isolate
Sample Date:
Laboratory ID: 25-004122-0001
Evidence of Cooling: No
Temp: 18.6 °C

Sample Results

Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed	Method	Status	Notes
E.coli	< LOQ		cfu/g	10	2502795	04/20/25	AOAC 991.14 (Petrifilm)		
Total Coliforms	< LOQ		cfu/g	10	2502795	04/20/25	AOAC 991.14 (Petrifilm)		
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2502796	04/21/25	AOAC 2014.05 (RAPID)		
Yeast (RAPID Petrifilm)	10		cfu/g	10	2502796	04/21/25	AOAC 2014.05 (RAPID)		

Test results relate only to the parameters tested and to the samples as received by the laboratory. Test results meet all requirements of NELAP and the Columbia Laboratories quality assurance plan unless otherwise noted. This report shall not be reproduced, except in full, without the written consent of this laboratory. Samples will be retained for a maximum of 30 days from the receipt date unless prior arrangements have been made.
Testing in accordance with: OAR 333-007-0390

Columbia LABORATORIES
A Tentamus Company

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

Report Number:	25-004122/D001.R000
Report Date:	04/23/2025
ORELAP#:	OR100028
Purchase Order:	
Received:	04/17/25 10:18

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 = µg/g divided by 10,000

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ORELAP#: OR100028
Purchase Order:
Received: 04/17/25 10:18

Columbia LABORATORIES
A Tentamus Company

Hemp & Cannabis Chain of Custody

Central-Oregon-Processing-1744831270

Company Details
Company: Central Oregon Processing
Contact: Bharath Pogula
Street Address: 374 NE Peters Rd
City, State, Zip: Prineville, OR 97754
Email: bharath@gvbbiopharma.com
Contact Phone: 9737225455

Billing Information
Billing Email: bharath@gvbbiopharma.com

Project Details
Turnaround Time: 5 Business Days | Req. For Micro Testing | Standard
Relinquishment | Sampling, Courier & Shipping Options: By Shipping Service (USPS, UPS, Fedex)

Receipt Information
Evidence of Cooling?: No
Sample Condition: Satisfactory
Prelog Storage: Canna Shelves

#	Sample Name	Material	Amount Provided	Testing: M075 - E. coli/Coliform Count (EC) Petrifilm	Testing: M283 - RAPID Yeast and Mold Count (RYM) Petrifilm
1	CBD Iso GVL-TST950	Cannabinoid Isolate	10 g	✓	✓

Relinquished By	Date	Time
Bharath Pogula	04/16/2025	12:21

Received By	Date	Time	Received Temp., °C	IR Therm. CL#
amp	04/17/2025	10:18	18.6	CL-1196

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.

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Testing in accordance with: OAR 333-007-0390

Columbia LABORATORIES
A Tentamus Company

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

Report Number:	25-004122/D001.R000
Report Date:	04/23/2025
ORELAP#:	OR100028
Purchase Order:	
Received:	04/17/25 10:18

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Columbia LABORATORIES
A Tentamus Company

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

Report Number: 25-004122/D001.R000
Report Date: 04/23/2025
ORELAP#: OR100028
Purchase Order:
Received: 04/17/25 10:18

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	Quantitaion 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.

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