



CBN Iso GVL-TST944

Sample ID: G5D0015-01

Matrix: Hemp Extracts & Concentrates

Test ID: 5037076

Source ID:

Date Sampled: 04/01/25

Date Accepted: 04/01/25

Harvest/Prod. Date: 03.28.2025

Central Oregon Processing
info@gvbbiopharma.com

Results at a Glance

Total THC : <LOQ (0.0005%) %

Total CBD : <LOQ (0.0431%) %

CBN : 99.78 % PASS

Pesticides : PASS

Residual Solvent Analysis : PASS

Metals : PASS



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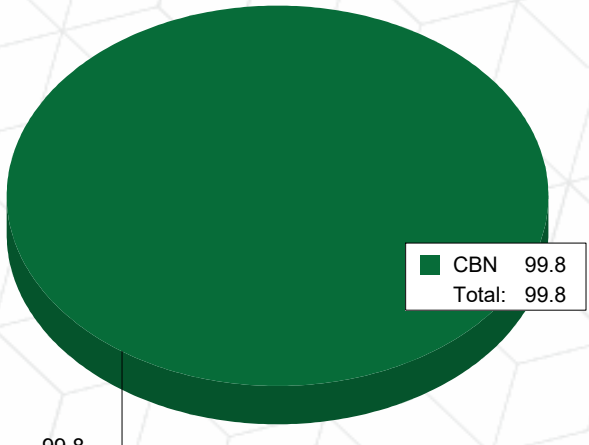
info@gvbbiopharma.com

Potency Analysis

Date/Time Extracted: 04/02/25 13:11

Analysis Method/SOP: 215

Batch Identification: 2514037

Cannabinoids	LOQ (%)	% by Wt.	mg/g	Cannabinoids Profile
Total THC	0.0005	< LOQ	< LOQ	 ■ CBN 99.8 Total: 99.8
Total CBD	0.0431	< LOQ	< LOQ	
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	< LOQ	< LOQ	
CBDA	0.0005	< LOQ	< LOQ	
CBDV	0.1040	< LOQ	< LOQ	
CBDVA	0.0341	< LOQ	< LOQ	
CBN	0.0622	99.78	997.8	
CBG	0.0164	< LOQ	< LOQ	
CBGA	0.0164	< LOQ	< LOQ	
CBC	0.0186	< LOQ	< LOQ	
Total Cannabinoids		99.78	997.8	

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 - 4/4/2025

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



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Harvest/Prod. Date: 03.28.2025

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Pesticide Analysis in ppm

Date/Time Extracted: 04/02/25 12:32

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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Source ID:

Date Sampled: 04/01/25

Date Accepted: 04/01/25

Harvest/Prod. Date: 03.28.2025

Central Oregon Processing
info@gvbbiopharma.com

Residual Solvents

Date/Time Extracted: 04/02/25 09:45

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: 04/01/25

Harvest/Prod. Date: 03.28.2025

Central Oregon Processing
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Metals by ICPMS

Date/Time Extracted: 04/03/25 10:37

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: 2514037 - 215-Concentrates

Blank(2514037-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	< LOQ	0.0003	%		04/02/25 13:11	04/02/25 23:25	
delta 9-THC	< LOQ	0.0003	%		04/02/25 13:11	04/02/25 23:25	
delta 8-THC	< LOQ	0.0468	%		04/02/25 13:11	04/02/25 23:25	
THCV	< LOQ	0.0527	%		04/02/25 13:11	04/02/25 23:25	
THCVA	< LOQ	0.0196	%		04/02/25 13:11	04/02/25 23:25	
CBD	< LOQ	0.0003	%		04/02/25 13:11	04/02/25 23:25	
CBDA	< LOQ	0.0003	%		04/02/25 13:11	04/02/25 23:25	
CBDV	< LOQ	0.0521	%		04/02/25 13:11	04/02/25 23:25	
CBDVA	< LOQ	0.0171	%		04/02/25 13:11	04/02/25 23:25	
CBN	< LOQ	0.0312	%		04/02/25 13:11	04/02/25 23:25	
CBG	< LOQ	0.0082	%		04/02/25 13:11	04/02/25 23:25	
CBGA	< LOQ	0.0082	%		04/02/25 13:11	04/02/25 23:25	
CBC	< LOQ	0.0093	%		04/02/25 13:11	04/02/25 23:25	

Reference(2514037-SRM1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	107	0.0001	%	90-110	04/02/25 13:11	04/02/25 23:48	
delta 9-THC	109	0.0001	%	90-110	04/02/25 13:11	04/02/25 23:48	
delta 8-THC	102	0.0179	%	90-110	04/02/25 13:11	04/02/25 23:48	
CBD	105	0.0001	%	90-110	04/02/25 13:11	04/02/25 23:48	
CBDA	109	0.0001	%	90-110	04/02/25 13:11	04/02/25 23:48	

Pesticide Analysis

Batch: 2514035 - 202

Blank(2514035-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Abamectin	< LOQ	0.10	ppm		04/02/25 12:32	04/02/25 22:32	
Acephate	< LOQ	0.10	ppm		04/02/25 12:32	04/02/25 22:32	
Acequinocyl	< LOQ	0.48	ppm		04/02/25 12:32	04/02/25 22:32	
Acetamiprid	< LOQ	0.10	ppm		04/02/25 12:32	04/02/25 22:32	
Aldicarb	< LOQ	0.10	ppm		04/02/25 12:32	04/02/25 22:32	
Azoxystrobin	< LOQ	0.10	ppm		04/02/25 12:32	04/02/25 22:32	
Bifenazate	< LOQ	0.10	ppm		04/02/25 12:32	04/02/25 22:32	
Bifenthrin	< LOQ	0.10	ppm		04/02/25 12:32	04/02/25 22:32	
Boscalid	< LOQ	0.10	ppm		04/02/25 12:32	04/02/25 17:29	
Carbaryl	< LOQ	0.10	ppm		04/02/25 12:32	04/02/25 22:32	
Carbofuran	< LOQ	0.10	ppm		04/02/25 12:32	04/02/25 22:32	
Chlorantraniliprole	< LOQ	0.10	ppm		04/02/25 12:32	04/02/25 22:32	
Chlorfenapyr	< LOQ	0.10	ppm		04/02/25 12:32	04/02/25 17:29	



Quality Control Pesticide Analysis (Continued)

Batch: 2514035 - 202 (Continued)

Blank(2514035-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Chlorpyrifos	< LOQ	0.10	ppm		04/02/25 12:32	04/02/25 22:32	
Clofentezine	< LOQ	0.10	ppm		04/02/25 12:32	04/02/25 22:32	
Daminozide	< LOQ	0.48	ppm		04/02/25 12:32	04/02/25 22:32	
Cyfluthrin	< LOQ	0.48	ppm		04/02/25 12:32	04/02/25 17:29	
Diazinon	< LOQ	0.10	ppm		04/02/25 12:32	04/02/25 22:32	
Cypermethrin	< LOQ	0.48	ppm		04/02/25 12:32	04/02/25 17:29	
Dimethoate	< LOQ	0.10	ppm		04/02/25 12:32	04/02/25 22:32	
Ethoprophos	< LOQ	0.10	ppm		04/02/25 12:32	04/02/25 22:32	
Etofenprox	< LOQ	0.10	ppm		04/02/25 12:32	04/02/25 22:32	
Etoxazole	< LOQ	0.10	ppm		04/02/25 12:32	04/02/25 22:32	
Fenoxycarb	< LOQ	0.10	ppm		04/02/25 12:32	04/02/25 22:32	
Fenpyroximate	< LOQ	0.20	ppm		04/02/25 12:32	04/02/25 22:32	
Flonicamid	< LOQ	0.10	ppm		04/02/25 12:32	04/02/25 22:32	
Hexythiazox	< LOQ	0.10	ppm		04/02/25 12:32	04/02/25 22:32	
Imazalil	< LOQ	0.10	ppm		04/02/25 12:32	04/02/25 22:32	
Fipronil	< LOQ	0.10	ppm		04/02/25 12:32	04/02/25 17:29	
Imidacloprid	< LOQ	0.10	ppm		04/02/25 12:32	04/02/25 22:32	
Fludioxonil	< LOQ	0.10	ppm		04/02/25 12:32	04/02/25 17:29	
Metalaxyl	< LOQ	0.10	ppm		04/02/25 12:32	04/02/25 22:32	
Methiocarb	< LOQ	0.10	ppm		04/02/25 12:32	04/02/25 22:32	
Methomyl	< LOQ	0.10	ppm		04/02/25 12:32	04/02/25 22:32	
Myclobutanil	< LOQ	0.10	ppm		04/02/25 12:32	04/02/25 22:32	
Kresoxim-methyl	< LOQ	0.10	ppm		04/02/25 12:32	04/02/25 17:29	
Naled	< LOQ	0.10	ppm		04/02/25 12:32	04/02/25 22:32	
Malathion	< LOQ	0.10	ppm		04/02/25 12:32	04/02/25 17:29	
Oxamyl	< LOQ	0.10	ppm		04/02/25 12:32	04/02/25 22:32	
Paclobutrazol	< LOQ	0.10	ppm		04/02/25 12:32	04/02/25 22:32	
Permethrins	< LOQ	0.10	ppm		04/02/25 12:32	04/02/25 22:32	
Methyl parathion	< LOQ	0.10	ppm		04/02/25 12:32	04/02/25 17:29	
MGK-264	< LOQ	0.10	ppm		04/02/25 12:32	04/02/25 17:29	
Phosmet	< LOQ	0.10	ppm		04/02/25 12:32	04/02/25 22:32	
Piperonyl butoxide	< LOQ	0.90	ppm		04/02/25 12:32	04/02/25 22:32	
Prallethrin	< LOQ	0.10	ppm		04/02/25 12:32	04/02/25 22:32	
Propoxur	< LOQ	0.10	ppm		04/02/25 12:32	04/02/25 22:32	
Pyrethrins	< LOQ	0.48	ppm		04/02/25 12:32	04/02/25 22:32	
Pyridaben	< LOQ	0.10	ppm		04/02/25 12:32	04/02/25 22:32	
Propiconazole	< LOQ	0.10	ppm		04/02/25 12:32	04/02/25 17:29	
Spinosad	< LOQ	0.10	ppm		04/02/25 12:32	04/02/25 22:32	



Quality Control Pesticide Analysis (Continued)

Batch: 2514035 - 202 (Continued)

Blank(2514035-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Spiromesifen	< LOQ	0.10	ppm		04/02/25 12:32	04/02/25 22:32	
Spirotetramat	< LOQ	0.10	ppm		04/02/25 12:32	04/02/25 22:32	
Spiroxamine	< LOQ	0.10	ppm		04/02/25 12:32	04/02/25 22:32	
Tebuconazole	< LOQ	0.10	ppm		04/02/25 12:32	04/02/25 22:32	
Thiacloprid	< LOQ	0.10	ppm		04/02/25 12:32	04/02/25 22:32	
Thiamethoxam	< LOQ	0.10	ppm		04/02/25 12:32	04/02/25 22:32	
Trifloxystrobin	< LOQ	0.10	ppm		04/02/25 12:32	04/02/25 22:32	
DDVP (Dichlorvos)	< LOQ	0.10	ppm		04/02/25 12:32	04/02/25 22:32	

LCS(2514035-BS1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Abamectin	87.4	0.10	ppm	50-150	04/02/25 12:32	04/02/25 22:57	
Acephate	92.3	0.10	ppm	60-120	04/02/25 12:32	04/02/25 22:57	
Acequinocyl	93.9	0.48	ppm	40-160	04/02/25 12:32	04/02/25 22:57	
Acetamiprid	108	0.10	ppm	60-120	04/02/25 12:32	04/02/25 22:57	
Aldicarb	109	0.10	ppm	60-120	04/02/25 12:32	04/02/25 22:57	
Azoxystrobin	103	0.10	ppm	60-120	04/02/25 12:32	04/02/25 22:57	
Bifenazate	120	0.10	ppm	60-120	04/02/25 12:32	04/02/25 22:57	
Bifenthrin	122	0.10	ppm	50-150	04/02/25 12:32	04/02/25 22:57	
Boscalid	67.2	0.10	ppm	60-120	04/02/25 12:32	04/02/25 17:52	
Carbaryl	103	0.10	ppm	60-120	04/02/25 12:32	04/02/25 22:57	
Carbofuran	106	0.10	ppm	60-120	04/02/25 12:32	04/02/25 22:57	
Chlorantraniliprole	74.8	0.10	ppm	60-120	04/02/25 12:32	04/02/25 22:57	
Chlorfenapyr	127	0.10	ppm	60-120	04/02/25 12:32	04/02/25 17:52	BSH
Chlorpyrifos	89.0	0.10	ppm	60-120	04/02/25 12:32	04/02/25 22:57	
Clofentezine	99.6	0.10	ppm	60-120	04/02/25 12:32	04/02/25 22:57	
Daminozide	133	0.48	ppm	60-120	04/02/25 12:32	04/02/25 22:57	BSH
Cyfluthrin	61.5	0.48	ppm	50-150	04/02/25 12:32	04/02/25 17:52	
Diazinon	103	0.10	ppm	60-120	04/02/25 12:32	04/02/25 22:57	
Cypermethrin	81.8	0.48	ppm	50-150	04/02/25 12:32	04/02/25 17:52	
Dimethoate	105	0.10	ppm	60-120	04/02/25 12:32	04/02/25 22:57	
Ethoprophos	104	0.10	ppm	60-120	04/02/25 12:32	04/02/25 22:57	
Etofenprox	104	0.10	ppm	50-150	04/02/25 12:32	04/02/25 22:57	
Etoxazole	105	0.10	ppm	60-120	04/02/25 12:32	04/02/25 22:57	
Fenoxycarb	104	0.10	ppm	60-120	04/02/25 12:32	04/02/25 22:57	
Fenpyroximate	99.4	0.20	ppm	60-120	04/02/25 12:32	04/02/25 22:57	
Flonicamid	108	0.10	ppm	60-120	04/02/25 12:32	04/02/25 22:57	
Hexythiazox	89.7	0.10	ppm	60-120	04/02/25 12:32	04/02/25 22:57	
Imazalil	101	0.10	ppm	60-120	04/02/25 12:32	04/02/25 22:57	



Quality Control Pesticide Analysis (Continued)

Batch: 2514035 - 202 (Continued)

LCS(2514035-BS1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Fipronil	108	0.10	ppm	60-120	04/02/25 12:32	04/02/25 17:52	
Imidacloprid	101	0.10	ppm	60-120	04/02/25 12:32	04/02/25 22:57	
Fludioxonil	95.8	0.10	ppm	50-150	04/02/25 12:32	04/02/25 17:52	
Metalaxyl	106	0.10	ppm	60-120	04/02/25 12:32	04/02/25 22:57	
Methiocarb	108	0.10	ppm	60-120	04/02/25 12:32	04/02/25 22:57	
Methomyl	105	0.10	ppm	60-120	04/02/25 12:32	04/02/25 22:57	
Myclobutanil	106	0.10	ppm	60-120	04/02/25 12:32	04/02/25 22:57	
Kresoxim-methyl	137	0.10	ppm	60-120	04/02/25 12:32	04/02/25 17:52	BSH
Naled	107	0.10	ppm	50-150	04/02/25 12:32	04/02/25 22:57	
Malathion	107	0.10	ppm	60-120	04/02/25 12:32	04/02/25 17:52	
Oxamyl	108	0.10	ppm	60-120	04/02/25 12:32	04/02/25 22:57	
Paclobutrazol	107	0.10	ppm	60-120	04/02/25 12:32	04/02/25 22:57	
Permethrins	122	0.10	ppm	50-150	04/02/25 12:32	04/02/25 22:57	
Methyl parathion	84.6	0.10	ppm	50-150	04/02/25 12:32	04/02/25 17:52	
MGK-264	115	0.10	ppm	50-150	04/02/25 12:32	04/02/25 17:52	
Phosmet	105	0.10	ppm	50-150	04/02/25 12:32	04/02/25 22:57	
Piperonyl butoxide	89.4	0.90	ppm	60-120	04/02/25 12:32	04/02/25 22:57	
Prallethrin	145	0.10	ppm	60-120	04/02/25 12:32	04/02/25 22:57	BSH
Propoxur	103	0.10	ppm	60-120	04/02/25 12:32	04/02/25 22:57	
Pyrethrins	96.0	0.48	ppm	60-120	04/02/25 12:32	04/02/25 22:57	
Pyridaben	108	0.10	ppm	50-150	04/02/25 12:32	04/02/25 22:57	
Propiconazole	101	0.10	ppm	60-120	04/02/25 12:32	04/02/25 17:52	
Spinosad	78.0	0.10	ppm	50-150	04/02/25 12:32	04/02/25 22:57	
Spiromesifen	105	0.10	ppm	60-120	04/02/25 12:32	04/02/25 22:57	
Spirotetramat	103	0.10	ppm	60-120	04/02/25 12:32	04/02/25 22:57	
Spiroxamine	98.9	0.10	ppm	60-120	04/02/25 12:32	04/02/25 22:57	
Tebuconazole	106	0.10	ppm	60-120	04/02/25 12:32	04/02/25 22:57	
Thiacloprid	108	0.10	ppm	60-120	04/02/25 12:32	04/02/25 22:57	
Thiamethoxam	107	0.10	ppm	60-120	04/02/25 12:32	04/02/25 22:57	
Trifloxystrobin	129	0.10	ppm	60-120	04/02/25 12:32	04/02/25 22:57	BSH
DDVP (Dichlorvos)	105	0.10	ppm	60-120	04/02/25 12:32	04/02/25 22:57	

Solvent Analysis

Batch: 2514023 - 205

Blank(2514023-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Acetone	< LOQ	1000	ppm		04/02/25 09:45	04/03/25 09:29	
Acetonitrile	< LOQ	50.00	ppm		04/02/25 09:45	04/03/25 09:29	



Nolan Mundie
Lab Director - 4/4/2025

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: 2514023 - 205 (Continued)

Blank(2514023-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Benzene	< LOQ	1.000	ppm		04/02/25 09:45	04/03/25 09:29	
Butanes	< LOQ	1000	ppm		04/02/25 09:45	04/03/25 09:29	
2-Butanol	< LOQ	1000	ppm		04/02/25 09:45	04/03/25 09:29	
Cumene	< LOQ	35.00	ppm		04/02/25 09:45	04/03/25 09:29	
Cyclohexane	< LOQ	50.00	ppm		04/02/25 09:45	04/03/25 09:29	
Dichloromethane	< LOQ	50.00	ppm		04/02/25 09:45	04/03/25 09:29	
1,4-Dioxane	< LOQ	50.00	ppm		04/02/25 09:45	04/03/25 09:29	
2-Ethoxyethanol	< LOQ	80.00	ppm		04/02/25 09:45	04/03/25 09:29	
Ethyl acetate	< LOQ	1000	ppm		04/02/25 09:45	04/03/25 09:29	
Ethyl benzene	< LOQ	35.00	ppm		04/02/25 09:45	04/03/25 09:29	
Ethylene glycol	< LOQ	310.0	ppm		04/02/25 09:45	04/03/25 09:29	
Ethylene oxide	< LOQ	25.00	ppm		04/02/25 09:45	04/03/25 09:29	
Ethyl ether	< LOQ	1000	ppm		04/02/25 09:45	04/03/25 09:29	
Heptane	< LOQ	1000	ppm		04/02/25 09:45	04/03/25 09:29	
Hexanes	< LOQ	50.00	ppm		04/02/25 09:45	04/03/25 09:29	
Isopropyl acetate	< LOQ	1000	ppm		04/02/25 09:45	04/03/25 09:29	
Methanol	< LOQ	1000	ppm		04/02/25 09:45	04/03/25 09:29	
Pentanes	< LOQ	1000	ppm		04/02/25 09:45	04/03/25 09:29	
Propane	< LOQ	1000	ppm		04/02/25 09:45	04/03/25 09:29	
2-Propanol (IPA)	< LOQ	1000	ppm		04/02/25 09:45	04/03/25 09:29	
Tetrahydrofuran	< LOQ	50.00	ppm		04/02/25 09:45	04/03/25 09:29	
Toluene	< LOQ	50.00	ppm		04/02/25 09:45	04/03/25 09:29	
Xylenes	< LOQ	50.00	ppm		04/02/25 09:45	04/03/25 09:29	

LCS(2514023-BS1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Acetone	99.3	1000	ppm	60-120	04/02/25 09:45	04/02/25 14:13	
Acetonitrile	102	50.00	ppm	60-120	04/02/25 09:45	04/02/25 14:13	
Benzene	92.2	1.000	ppm	60-120	04/02/25 09:45	04/02/25 14:13	
Butanes	95.7	1000	ppm	60-120	04/02/25 09:45	04/02/25 14:13	
2-Butanol	104	1000	ppm	60-120	04/02/25 09:45	04/02/25 14:13	
Cumene	94.1	35.00	ppm	60-120	04/02/25 09:45	04/02/25 14:13	
Cyclohexane	101	50.00	ppm	60-120	04/02/25 09:45	04/02/25 14:13	
Dichloromethane	102	50.00	ppm	60-120	04/02/25 09:45	04/02/25 14:13	
1,4-Dioxane	102	50.00	ppm	60-120	04/02/25 09:45	04/02/25 14:13	
2-Ethoxyethanol	104	80.00	ppm	60-120	04/02/25 09:45	04/02/25 14:13	
Ethyl acetate	99.9	1000	ppm	60-120	04/02/25 09:45	04/02/25 14:13	
Ethyl benzene	90.9	35.00	ppm	60-120	04/02/25 09:45	04/02/25 14:13	
Ethylene glycol	102	310.0	ppm	60-120	04/02/25 09:45	04/02/25 14:13	



Quality Control Solvent Analysis (Continued)

Batch: 2514023 - 205 (Continued)

LCS(2514023-BS1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Ethylene oxide	117	25.00	ppm	60-120	04/02/25 09:45	04/02/25 14:13	
Ethyl ether	97.2	1000	ppm	60-120	04/02/25 09:45	04/02/25 14:13	
Heptane	101	1000	ppm	60-120	04/02/25 09:45	04/02/25 14:13	
Hexanes	98.9	50.00	ppm	60-120	04/02/25 09:45	04/02/25 14:13	
Isopropyl acetate	103	1000	ppm	60-120	04/02/25 09:45	04/02/25 14:13	
Methanol	95.9	1000	ppm	60-120	04/02/25 09:45	04/02/25 14:13	
Pentanes	95.5	1000	ppm	60-120	04/02/25 09:45	04/02/25 14:13	
Propane	97.4	1000	ppm	60-120	04/02/25 09:45	04/02/25 14:13	
2-Propanol (IPA)	101	1000	ppm	60-120	04/02/25 09:45	04/02/25 14:13	
Tetrahydrofuran	101	50.00	ppm	60-120	04/02/25 09:45	04/02/25 14:13	
Toluene	92.8	50.00	ppm	60-120	04/02/25 09:45	04/02/25 14:13	

Metals

Batch: 2514053 - 217

Blank(2514053-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Cadmium	< LOQ	0.08	ug/g		04/03/25 10:37	04/04/25 14:35	
Lead	< LOQ	0.08	ug/g		04/03/25 10:37	04/04/25 14:35	
Arsenic	< LOQ	0.08	ug/g		04/03/25 10:37	04/04/25 14:35	
Mercury	< LOQ	0.04	ug/g		04/03/25 10:37	04/04/25 14:35	

LCS(2514053-BS1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Cadmium	98.9	0.08	ug/g	80-115	04/03/25 10:37	04/04/25 14:36	
Lead	102	0.08	ug/g	80-115	04/03/25 10:37	04/04/25 14:36	
Arsenic	97.8	0.08	ug/g	80-115	04/03/25 10:37	04/04/25 14:36	
Mercury	102	0.04	ug/g	80-115	04/03/25 10:37	04/04/25 14:36	



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



Customer: Central Oregon Processing
 212 NE North St.
 Grass Valley Oregon 97029
 United States of America (USA)
Product identity: CBN Iso GVL-TST944
Metrc ID: .
Metrc Source ID:
Material: Cannabinoid Isolate
Sample Date:
Laboratory ID: 25-003413-0001
Evidence of Cooling: No
Temp: 16.9 °C

Sample Results

Microbiology								
Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method		Status Notes
E.coli	< LOQ		cfu/g	10	2502340	04/04/25	AOAC 991.14 (Petrifilm)	
Total Coliforms	< LOQ		cfu/g	10	2502340	04/04/25	AOAC 991.14 (Petrifilm)	
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2502341	04/05/25	AOAC 2014.05 (RAPID)	
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2502341	04/05/25	AOAC 2014.05 (RAPID)	



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



Report Number: 25-003413/D001.R000
Report Date: 04/08/2025
ORELAP#: OR100028
Purchase Order:
Received: 04/01/25 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 = µg/g divided by 10,000



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Received: 04/01/25 10:38



**Hemp & Cannabis
Chain of Custody**

**Central-Oregon-
Processing-1743455141**

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 Reg. For Micro Testing Standard</u> Relinquishment Sampling, Courier & Shipping Options: <u>By Shipping Service (USPS, UPS, Fedex)</u> Receipt Information Evidence of Cooling?: No Sample Condition: Satisfactory Prelog Storage: Canna Shelves			Testing	
						M283 - RAPID Yeast and Mold Count (RYM) Petrifilm	M075 - E. coli/Coliform Count (EC) Petrifilm
#	Sample Name	Material	Amount Provided				
1	CBN Iso GVL-TST944	Cannabinoid Isolate	10 g	✓	✓		

Relinquished By	Date	Time	Received By	Date	Time	Received Temp., °C	IR Therm. CL#
<i>Bharath Pogula</i>	<i>03/31/2025</i>	<i>14:05</i>	<i>sem</i>	<i>04/01/2025</i>	<i>10:38</i>	<i>16.9</i>	<i>CL-0494</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@columbialaboratories.com

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Report Number: 25-003413/D001.R000
Report Date: 04/08/2025
ORELAP#: OR100028
Purchase Order:
Received: 04/01/25 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.