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

Quality Control Testing
Official Report

CBG Iso GVL-TST706

Sample ID: G3H0017-02 **Matrix:** Hemp Extracts & Concentrates
Test ID: 5024133
Source ID:
Date Sampled: 08/01/23 **Date Accepted:** 08/01/23

Harvest/Prod. Date: 07.31.2023

Results at a Glance

Total THC : <LOQ (0.1577%) %

Total CBD : <LOQ (0.0431%) %

Total CBG : 99.21 %

Pesticides : PASS

Residual Solvent Analysis : PASS

Metals : PASS

ISO 17025 ACCREDITED LABORATORY

Patrick Hermonson
Chemist - 8/3/2023

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CBG Iso GVL-TST706

Sample ID: G3H0017-02 **Matrix:** Hemp Extracts & Concentrates
Test ID: 5024133
Source ID:
Date Sampled: 08/01/23 **Date Accepted:** 08/01/23

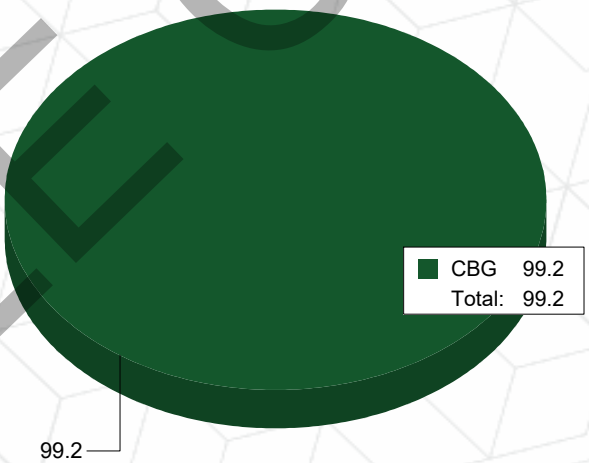
Harvest/Prod. Date: 07.31.2023

Potency Analysis by HPLC

Date/Time Extracted: 08/02/23 10:35 **Analysis Method/SOP: 215** **Batch Identification: 2331030**

Cannabinoids	LOQ (%)	% by Wt.	mg/g
Total THC	0.1577	< LOQ	< LOQ
Total CBD	0.0431	< LOQ	< LOQ
Total CBG	0.0164	99.21	992.1
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	< LOQ	< LOQ
CBDA	0.0005	< LOQ	< LOQ
CBDV	0.1040	< LOQ	< LOQ
CBDVA	0.0341	< LOQ	< LOQ
CBN	0.0622	< LOQ	< LOQ
CBG	0.0164	99.21	992.1
CBGA	0.0164	< LOQ	< LOQ
CBC	0.0186	< LOQ	< LOQ
Total Cannabinoids		99.21	992.1

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.

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CBG Iso GVL-TST706

Sample ID: G3H0017-02 **Matrix:** Hemp Extracts & Concentrates
Test ID: 5024133
Source ID:
Date Sampled: 08/01/23 **Date Accepted:** 08/01/23

Harvest/Prod. Date: 07.31.2023

Pesticide Analysis by LCMSMS and GCMSMS

Date/Time Extracted: 08/02/23 10:51
Analysis Method/SOP: 202

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

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

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Quality Control Testing
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CBG Iso GVL-TST706

Sample ID: G3H0017-02 **Matrix:** Hemp Extracts & Concentrates
Test ID: 5024133
Source ID:
Date Sampled: 08/01/23 **Date Accepted:** 08/01/23

Harvest/Prod. Date: 07.31.2023

Residual Solvents by GCMS-HS

Date/Time Extracted: 08/02/23 10:27 **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.

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Sample ID: G3H0017-02 **Matrix:** Hemp Extracts & Concentrates
Test ID: 5024133
Source ID:
Date Sampled: 08/01/23 **Date Accepted:** 08/01/23

Harvest/Prod. Date: 07.31.2023

Metals by ICPMS

Date/Time Extracted: 08/01/23 09:25 **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.

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Quality Control Testing
Official Report

Quality Control

Potency

Batch: 2331030 - 215-Concentrates

Blank(2331030-BLK1)

Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	< LOQ	0.0005	%		08/02/23 10:35	08/02/23 17:08	
delta 9-THC	< LOQ	0.0005	%		08/02/23 10:35	08/02/23 17:08	
delta 8-THC	< LOQ	0.0934	%		08/02/23 10:35	08/02/23 17:08	
THCV	< LOQ	0.1052	%		08/02/23 10:35	08/02/23 17:08	
THCVA	< LOQ	0.0392	%		08/02/23 10:35	08/02/23 17:08	
CBD	< LOQ	0.0005	%		08/02/23 10:35	08/02/23 17:08	
CBDA	< LOQ	0.0005	%		08/02/23 10:35	08/02/23 17:08	
CBDV	< LOQ	0.1040	%		08/02/23 10:35	08/02/23 17:08	
CBDVA	< LOQ	0.0341	%		08/02/23 10:35	08/02/23 17:08	
CBN	< LOQ	0.0622	%		08/02/23 10:35	08/02/23 17:08	
CBG	< LOQ	0.0164	%		08/02/23 10:35	08/02/23 17:08	
CBGA	< LOQ	0.0164	%		08/02/23 10:35	08/02/23 17:08	
CBC	< LOQ	0.0186	%		08/02/23 10:35	08/02/23 17:08	

Reference(2331030-SRM1)

Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	109	0.0002	%	90-110	08/02/23 10:35	08/02/23 17:31	
delta 9-THC	95.9	0.0002	%	90-110	08/02/23 10:35	08/02/23 17:31	
delta 8-THC	91.8	0.0466	%	90-110	08/02/23 10:35	08/02/23 17:31	
CBD	96.9	0.0002	%	90-110	08/02/23 10:35	08/02/23 17:31	
CBDA	95.3	0.0002	%	90-110	08/02/23 10:35	08/02/23 17:31	

Pesticide Analysis

Batch: 2331032 - 202

Blank(2331032-BLK1)

Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Abamectin	< LOQ	0.1	ppm		08/02/23 10:51	08/03/23 02:33	
Acephate	< LOQ	0.1	ppm		08/02/23 10:51	08/03/23 02:33	
Acequinocyl	< LOQ	0.5	ppm		08/02/23 10:51	08/03/23 02:33	
Acetamiprid	< LOQ	0.1	ppm		08/02/23 10:51	08/03/23 02:33	
Aldicarb	< LOQ	0.1	ppm		08/02/23 10:51	08/03/23 02:33	
Azoxystrobin	< LOQ	0.1	ppm		08/02/23 10:51	08/03/23 02:33	
Bifenazate	< LOQ	0.1	ppm		08/02/23 10:51	08/03/23 02:33	
Bifenthrin	< LOQ	0.1	ppm		08/02/23 10:51	08/03/23 02:33	
Boscalid	< LOQ	0.1	ppm		08/02/23 10:51	08/02/23 18:21	
Carbaryl	< LOQ	0.1	ppm		08/02/23 10:51	08/03/23 02:33	
Carbofuran	< LOQ	0.1	ppm		08/02/23 10:51	08/03/23 02:33	
Chlorantraniliprole	< LOQ	0.1	ppm		08/02/23 10:51	08/03/23 02:33	
Chlorfenapyr	< LOQ	0.1	ppm		08/02/23 10:51	08/02/23 18:21	

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Quality Control

Pesticide Analysis (Continued)

Batch: 2331032 - 202 (Continued)

Blank(2331032-BLK1)

Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Chlorpyrifos	< LOQ	0.1	ppm		08/02/23 10:51	08/03/23 02:33	
Clofentezine	< LOQ	0.1	ppm		08/02/23 10:51	08/03/23 02:33	
Daminozide	< LOQ	0.5	ppm		08/02/23 10:51	08/03/23 02:33	
Cyfluthrin	< LOQ	0.5	ppm		08/02/23 10:51	08/02/23 18:21	
Diazinon	< LOQ	0.1	ppm		08/02/23 10:51	08/03/23 02:33	
Cypermethrin	< LOQ	0.5	ppm		08/02/23 10:51	08/02/23 18:21	
Dimethoate	< LOQ	0.1	ppm		08/02/23 10:51	08/03/23 02:33	
Ethoprophos	< LOQ	0.1	ppm		08/02/23 10:51	08/03/23 02:33	
Etofenprox	< LOQ	0.1	ppm		08/02/23 10:51	08/03/23 02:33	
Etoxazole	< LOQ	0.1	ppm		08/02/23 10:51	08/03/23 02:33	
Fenoxycarb	< LOQ	0.1	ppm		08/02/23 10:51	08/03/23 02:33	
Fenpyroximate	< LOQ	0.1	ppm		08/02/23 10:51	08/03/23 02:33	
Flonicamid	< LOQ	0.1	ppm		08/02/23 10:51	08/03/23 02:33	
Hexythiazox	< LOQ	0.1	ppm		08/02/23 10:51	08/03/23 02:33	
Imazalil	< LOQ	0.1	ppm		08/02/23 10:51	08/03/23 02:33	
Fipronil	< LOQ	0.1	ppm		08/02/23 10:51	08/02/23 18:21	
Imidacloprid	< LOQ	0.1	ppm		08/02/23 10:51	08/03/23 02:33	
Fludioxonil	< LOQ	0.1	ppm		08/02/23 10:51	08/02/23 18:21	
Metalaxyl	< LOQ	0.1	ppm		08/02/23 10:51	08/03/23 02:33	
Methiocarb	< LOQ	0.1	ppm		08/02/23 10:51	08/03/23 02:33	
Methomyl	< LOQ	0.1	ppm		08/02/23 10:51	08/03/23 02:33	
Myclobutanil	< LOQ	0.1	ppm		08/02/23 10:51	08/03/23 02:33	
Kresoxim-methyl	< LOQ	0.1	ppm		08/02/23 10:51	08/02/23 18:21	
Naled	< LOQ	0.1	ppm		08/02/23 10:51	08/03/23 02:33	
Malathion	< LOQ	0.1	ppm		08/02/23 10:51	08/02/23 18:21	
Oxamyl	< LOQ	0.1	ppm		08/02/23 10:51	08/03/23 02:33	
Paclobutrazol	< LOQ	0.1	ppm		08/02/23 10:51	08/03/23 02:33	
Permethrins	< LOQ	0.1	ppm		08/02/23 10:51	08/03/23 02:33	
Methyl parathion	< LOQ	0.1	ppm		08/02/23 10:51	08/02/23 18:21	
MGK-264	< LOQ	0.1	ppm		08/02/23 10:51	08/02/23 18:21	
Phosmet	< LOQ	0.1	ppm		08/02/23 10:51	08/03/23 02:33	
Piperonyl butoxide	< LOQ	0.9	ppm		08/02/23 10:51	08/03/23 02:33	
Prallethrin	< LOQ	0.1	ppm		08/02/23 10:51	08/03/23 02:33	
Propoxur	< LOQ	0.1	ppm		08/02/23 10:51	08/03/23 02:33	
Pyrethrins	< LOQ	0.5	ppm		08/02/23 10:51	08/03/23 02:33	
Pyridaben	< LOQ	0.1	ppm		08/02/23 10:51	08/03/23 02:33	
Propiconazole	< LOQ	0.1	ppm		08/02/23 10:51	08/02/23 18:21	
Spinosad	< LOQ	0.1	ppm		08/02/23 10:51	08/03/23 02:33	

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Quality Control

Pesticide Analysis (Continued)

Batch: 2331032 - 202 (Continued)

Blank(2331032-BLK1)

Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Spiromesifen	< LOQ	0.1	ppm		08/02/23 10:51	08/03/23 02:33	
Spirotetramat	< LOQ	0.1	ppm		08/02/23 10:51	08/03/23 02:33	
Spiroxamine	< LOQ	0.1	ppm		08/02/23 10:51	08/03/23 02:33	
Tebuconazole	< LOQ	0.1	ppm		08/02/23 10:51	08/03/23 02:33	
Thiacloprid	< LOQ	0.1	ppm		08/02/23 10:51	08/03/23 02:33	
Thiamethoxam	< LOQ	0.1	ppm		08/02/23 10:51	08/03/23 02:33	
Trifloxystrobin	< LOQ	0.1	ppm		08/02/23 10:51	08/03/23 02:33	
DDVP (Dichlorvos)	< LOQ	0.1	ppm		08/02/23 10:51	08/03/23 02:33	

LCS(2331032-BS1)

Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Abamectin	72.7	0.1	ppm	50-150	08/02/23 10:51	08/03/23 02:56	
Acephate	111	0.1	ppm	60-120	08/02/23 10:51	08/03/23 02:56	
Acequinocyl	148	0.5	ppm	40-160	08/02/23 10:51	08/03/23 02:56	
Acetamiprid	103	0.1	ppm	60-120	08/02/23 10:51	08/03/23 02:56	
Aldicarb	108	0.1	ppm	60-120	08/02/23 10:51	08/03/23 02:56	
Azoxystrobin	106	0.1	ppm	60-120	08/02/23 10:51	08/03/23 02:56	
Bifenazate	113	0.1	ppm	60-120	08/02/23 10:51	08/03/23 02:56	
Bifenthrin	163	0.1	ppm	50-150	08/02/23 10:51	08/03/23 02:56	BSH
Boscalid	65.6	0.1	ppm	60-120	08/02/23 10:51	08/02/23 18:43	
Carbaryl	103	0.1	ppm	60-120	08/02/23 10:51	08/03/23 02:56	
Carbofuran	101	0.1	ppm	60-120	08/02/23 10:51	08/03/23 02:56	
Chlorantraniliprole	151	0.1	ppm	60-120	08/02/23 10:51	08/03/23 02:56	BSH
Chlorfenapyr	85.3	0.1	ppm	60-120	08/02/23 10:51	08/02/23 18:43	
Chlorpyrifos	161	0.1	ppm	60-120	08/02/23 10:51	08/03/23 02:56	BSH
Clofentezine	112	0.1	ppm	60-120	08/02/23 10:51	08/03/23 02:56	
Daminozide	1480	0.5	ppm	60-120	08/02/23 10:51	08/03/23 02:56	BSH
Cyfluthrin	111	0.5	ppm	50-150	08/02/23 10:51	08/02/23 18:43	
Diazinon	108	0.1	ppm	60-120	08/02/23 10:51	08/03/23 02:56	
Cypermethrin	63.5	0.5	ppm	50-150	08/02/23 10:51	08/02/23 18:43	
Dimethoate	102	0.1	ppm	60-120	08/02/23 10:51	08/03/23 02:56	
Ethoprophos	105	0.1	ppm	60-120	08/02/23 10:51	08/03/23 02:56	
Etofenprox	127	0.1	ppm	50-150	08/02/23 10:51	08/03/23 02:56	
Etoxazole	134	0.1	ppm	60-120	08/02/23 10:51	08/03/23 02:56	BSH
Fenoxycarb	111	0.1	ppm	60-120	08/02/23 10:51	08/03/23 02:56	
Fenpyroximate	123	0.1	ppm	60-120	08/02/23 10:51	08/03/23 02:56	BSH
Flonicamid	113	0.1	ppm	60-120	08/02/23 10:51	08/03/23 02:56	
Hexythiazox	193	0.1	ppm	60-120	08/02/23 10:51	08/03/23 02:56	BSH
Imazalil	133	0.1	ppm	60-120	08/02/23 10:51	08/03/23 02:56	BSH

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Quality Control

Pesticide Analysis (Continued)

Batch: 2331032 - 202 (Continued)

LCS(2331032-BS1)

Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Fipronil	79.0	0.1	ppm	60-120	08/02/23 10:51	08/02/23 18:43	
Imidacloprid	111	0.1	ppm	60-120	08/02/23 10:51	08/03/23 02:56	
Fludioxonil	80.8	0.1	ppm	50-150	08/02/23 10:51	08/02/23 18:43	
Metalaxyl	105	0.1	ppm	60-120	08/02/23 10:51	08/03/23 02:56	
Methiocarb	103	0.1	ppm	60-120	08/02/23 10:51	08/03/23 02:56	
Methomyl	106	0.1	ppm	60-120	08/02/23 10:51	08/03/23 02:56	
Myclobutanil	114	0.1	ppm	60-120	08/02/23 10:51	08/03/23 02:56	
Kresoxim-methyl	95.5	0.1	ppm	60-120	08/02/23 10:51	08/02/23 18:43	
Naled	103	0.1	ppm	50-150	08/02/23 10:51	08/03/23 02:56	
Malathion	110	0.1	ppm	60-120	08/02/23 10:51	08/02/23 18:43	
Oxamyl	97.0	0.1	ppm	60-120	08/02/23 10:51	08/03/23 02:56	
Paclobutrazol	107	0.1	ppm	60-120	08/02/23 10:51	08/03/23 02:56	
Permethrins	116	0.1	ppm	50-150	08/02/23 10:51	08/03/23 02:56	
Methyl parathion	66.8	0.1	ppm	50-150	08/02/23 10:51	08/02/23 18:43	
MGK-264	98.5	0.1	ppm	50-150	08/02/23 10:51	08/02/23 18:43	
Phosmet	111	0.1	ppm	50-150	08/02/23 10:51	08/03/23 02:56	
Piperonyl butoxide	374	0.9	ppm	60-120	08/02/23 10:51	08/03/23 02:56	BSH
Prallethrin	111	0.1	ppm	60-120	08/02/23 10:51	08/03/23 02:56	
Propoxur	104	0.1	ppm	60-120	08/02/23 10:51	08/03/23 02:56	
Pyrethrins	97.1	0.5	ppm	60-120	08/02/23 10:51	08/03/23 02:56	
Pyridaben	121	0.1	ppm	50-150	08/02/23 10:51	08/03/23 02:56	
Propiconazole	99.2	0.1	ppm	60-120	08/02/23 10:51	08/02/23 18:43	
Spinosad	118	0.1	ppm	50-150	08/02/23 10:51	08/03/23 02:56	
Spiromesifen	152	0.1	ppm	60-120	08/02/23 10:51	08/03/23 02:56	BSH
Spirotetramat	113	0.1	ppm	60-120	08/02/23 10:51	08/03/23 02:56	
Spiroxamine	106	0.1	ppm	60-120	08/02/23 10:51	08/03/23 02:56	
Tebuconazole	112	0.1	ppm	60-120	08/02/23 10:51	08/03/23 02:56	
Thiacloprid	102	0.1	ppm	60-120	08/02/23 10:51	08/03/23 02:56	
Thiamethoxam	104	0.1	ppm	60-120	08/02/23 10:51	08/03/23 02:56	
Trifloxystrobin	103	0.1	ppm	60-120	08/02/23 10:51	08/03/23 02:56	
DDVP (Dichlorvos)	97.4	0.1	ppm	60-120	08/02/23 10:51	08/03/23 02:56	

Solvent Analysis

Batch: 2331029 - 205

Blank(2331029-BLK1)

Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Acetone	< LOQ	1000	ppm		08/02/23 10:27	08/03/23 09:39	
Acetonitrile	< LOQ	50.00	ppm		08/02/23 10:27	08/03/23 09:39	

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Chemist - 8/3/2023

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Quality Control

Solvent Analysis (Continued)

Batch: 2331029 - 205 (Continued)

Blank(2331029-BLK1)

Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Benzene	< LOQ	1.000	ppm		08/02/23 10:27	08/03/23 09:39	
Butanes	< LOQ	1000	ppm		08/02/23 10:27	08/03/23 09:39	
2-Butanol	< LOQ	1000	ppm		08/02/23 10:27	08/03/23 09:39	
Cumene	< LOQ	35.00	ppm		08/02/23 10:27	08/03/23 09:39	
Cyclohexane	< LOQ	50.00	ppm		08/02/23 10:27	08/03/23 09:39	
Dichloromethane	< LOQ	50.00	ppm		08/02/23 10:27	08/03/23 09:39	
1,4-Dioxane	< LOQ	50.00	ppm		08/02/23 10:27	08/03/23 09:39	
Ethanol	< LOQ	50.00	ppm		08/02/23 10:27	08/03/23 09:39	
2-Ethoxyethanol	< LOQ	80.00	ppm		08/02/23 10:27	08/03/23 09:39	
Ethyl acetate	< LOQ	1000	ppm		08/02/23 10:27	08/03/23 09:39	
Ethyl benzene	< LOQ	35.00	ppm		08/02/23 10:27	08/03/23 09:39	
Ethylene glycol	< LOQ	310.0	ppm		08/02/23 10:27	08/03/23 09:39	
Ethylene oxide	< LOQ	25.00	ppm		08/02/23 10:27	08/03/23 09:39	
Ethyl ether	< LOQ	1000	ppm		08/02/23 10:27	08/03/23 09:39	
Heptane	< LOQ	1000	ppm		08/02/23 10:27	08/03/23 09:39	
Hexanes	< LOQ	50.00	ppm		08/02/23 10:27	08/03/23 09:39	
Isopropyl acetate	< LOQ	1000	ppm		08/02/23 10:27	08/03/23 09:39	
Methanol	< LOQ	1000	ppm		08/02/23 10:27	08/03/23 09:39	
Pentanes	< LOQ	1000	ppm		08/02/23 10:27	08/03/23 09:39	
Propane	< LOQ	1000	ppm		08/02/23 10:27	08/03/23 09:39	
2-Propanol (IPA)	< LOQ	1000	ppm		08/02/23 10:27	08/03/23 09:39	
Tetrahydrofuran	< LOQ	50.00	ppm		08/02/23 10:27	08/03/23 09:39	
Toluene	< LOQ	50.00	ppm		08/02/23 10:27	08/03/23 09:39	
Xylenes	< LOQ	50.00	ppm		08/02/23 10:27	08/03/23 09:39	

LCS(2331029-BS1)

Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Acetone	87.8	1000	ppm	60-120	08/02/23 10:27	08/02/23 15:22	
Acetonitrile	88.9	50.00	ppm	60-120	08/02/23 10:27	08/02/23 15:22	
Benzene	90.3	1.000	ppm	60-120	08/02/23 10:27	08/02/23 15:22	
Butanes	78.7	1000	ppm	60-120	08/02/23 10:27	08/02/23 15:22	
2-Butanol	90.5	1000	ppm	60-120	08/02/23 10:27	08/02/23 15:22	
Cumene	88.8	35.00	ppm	60-120	08/02/23 10:27	08/02/23 15:22	
Cyclohexane	88.8	50.00	ppm	60-120	08/02/23 10:27	08/02/23 15:22	
Dichloromethane	89.7	50.00	ppm	60-120	08/02/23 10:27	08/02/23 15:22	
1,4-Dioxane	89.5	50.00	ppm	60-120	08/02/23 10:27	08/02/23 15:22	
2-Ethoxyethanol	90.5	80.00	ppm	60-120	08/02/23 10:27	08/02/23 15:22	
Ethyl acetate	88.6	1000	ppm	60-120	08/02/23 10:27	08/02/23 15:22	
Ethyl benzene	87.2	35.00	ppm	60-120	08/02/23 10:27	08/02/23 15:22	

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Quality Control

Solvent Analysis (Continued)

Batch: 2331029 - 205 (Continued)

LCS(2331029-BS1)

Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Ethylene glycol	96.0	310.0	ppm	60-120	08/02/23 10:27	08/02/23 15:22	
Ethylene oxide	84.6	25.00	ppm	60-120	08/02/23 10:27	08/02/23 15:22	
Ethyl ether	87.0	1000	ppm	60-120	08/02/23 10:27	08/02/23 15:22	
Heptane	87.8	1000	ppm	60-120	08/02/23 10:27	08/02/23 15:22	
Hexanes	86.1	50.00	ppm	60-120	08/02/23 10:27	08/02/23 15:22	
Isopropyl acetate	89.1	1000	ppm	60-120	08/02/23 10:27	08/02/23 15:22	
Methanol	63.7	1000	ppm	60-120	08/02/23 10:27	08/02/23 15:22	
Pentanes	84.8	1000	ppm	60-120	08/02/23 10:27	08/02/23 15:22	
Propane	75.0	1000	ppm	60-120	08/02/23 10:27	08/02/23 15:22	
2-Propanol (IPA)	89.2	1000	ppm	60-120	08/02/23 10:27	08/02/23 15:22	
Tetrahydrofuran	88.4	50.00	ppm	60-120	08/02/23 10:27	08/02/23 15:22	
Toluene	90.3	50.00	ppm	60-120	08/02/23 10:27	08/02/23 15:22	

Metals

Batch: 2331013 - 217

Blank(2331013-BLK1)

Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Cadmium	< LOQ	0.08	ug/g		08/01/23 09:25	08/02/23 14:26	
Lead	< LOQ	0.08	ug/g		08/01/23 09:25	08/02/23 14:26	
Arsenic	< LOQ	0.08	ug/g		08/01/23 09:25	08/02/23 14:26	
Mercury	< LOQ	0.04	ug/g		08/01/23 09:25	08/02/23 14:26	

LCS(2331013-BS1)

Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Cadmium	98.6	0.08	ug/g	80-115	08/01/23 09:25	08/02/23 14:27	
Lead	104	0.08	ug/g	80-115	08/01/23 09:25	08/02/23 14:27	
Arsenic	95.5	0.08	ug/g	80-115	08/01/23 09:25	08/02/23 14:27	
Mercury	103	0.04	ug/g	80-115	08/01/23 09:25	08/02/23 14:27	

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Chemist - 8/3/2023

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Notes and Definitions

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

ATM	Non-cannabis matrix related interference or suppression of Internal standard
BLI	Baseline Interference - Cannabinoid peak interference in chromatographic baseline affecting QC recovery .
BLK	Analyte detected in method blank, but not associated samples.
BSH	Blank Spike High - Blank Spike recovery above method limit. no detections in samples.
BSL	Blank Spike Low - Blank Spike recovery below lower method limit, analyte chromatography reviewed
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

Patrick Hermonson
Chemist - 8/3/2023

Columbia LABORATORIES
A Tentamus Company

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

Report Number: 23-009074/D006.R000
Report Date: 08/07/2023
ORELAP#: OR100028
Purchase Order:
Received: 08/01/23 12:04

Customer:
Product identity: CBG Iso GVL-TST706
Client/Metrc ID: .
Laboratory ID: 23-009074-0002

Summary

Microbiology:

Less than LOQ for all analytes.

Columbia LABORATORIES
A Tentamus Company

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

Report Number: 23-009074/D006.R000
Report Date: 08/07/2023
ORELAP#: OR100028
Purchase Order:
Received: 08/01/23 12:04

Customer:
United States of America (USA)
Product identity: CBG Iso GVL-TST706
Client/Metrc ID: .
Sample Date:
Laboratory ID: 23-009074-0002
Evidence of Cooling: No
Temp: 26.1 °C
Relinquished by: client

Sample Results

Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed	Method	Status	Notes
E.coli	< LOQ		cfu/g	10	2309664	08/05/23	AOAC 991.14 (Petrifilm)þ		
Total Coliforms	< LOQ		cfu/g	10	2309664	08/05/23	AOAC 991.14 (Petrifilm)þ		
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2309663	08/05/23	AOAC 2014.05 (RAPID)þ		
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2309663	08/05/23	AOAC 2014.05 (RAPID)þ		

Columbia LABORATORIES
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ORELAP#:	OR100028
Purchase Order:	
Received:	08/01/23 12:04

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.

þ = ISO/IEC 17025:2017 accredited method.

Units of Measure

cfu/g = Colony forming units per gram

% wt = µg/g divided by 10,000

Approved Signatory

Derrick Tanner
General Manager

Columbia LABORATORIES
A Tentamus Company

12423 NE Whitaker Way
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Report Date: 08/07/2023
ORELAP#: OR100028
Purchase Order:
Received: 08/01/23 12:04

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.