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-TST515

Sample ID: G3B0208-01 **Matrix:** Hemp Extracts & Concentrates
Test ID: 5025086
Source ID:
Date Sampled: 02/14/23 **Date Accepted:** 02/14/23

Harvest/Prod. Date: 02.13.2023

GVB Oregon
testing@gvbbiopharma.com

Results at a Glance

Total THC : <LOQ (0.1577%) %

Total CBD : 99.92 %

Pesticides : PASS

Residual Solvent Analysis : PASS

Total Colonies : <LOQ cfu/g PASS

Metals : PASS

Eric Wendt
Chief Science Officer - 2/17/2023

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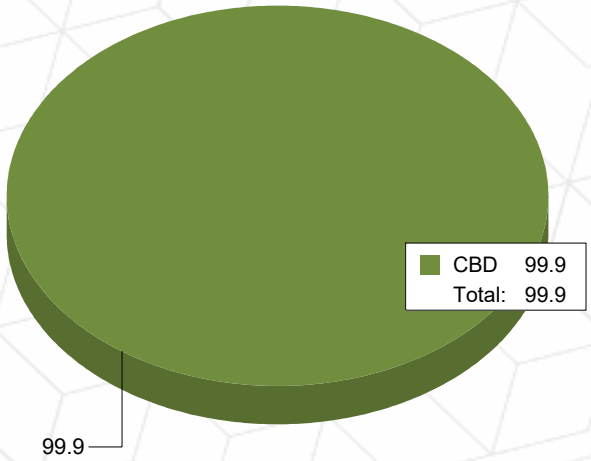
Potency Analysis

Date/Time Extracted: 02/16/23 10:29 **Analysis Method/SOP: 215** **Batch Identification: 2307039**

Cannabinoids	LOQ (%)	% by Wt.	mg/g
Total THC	0.1577	< LOQ	< LOQ
Total CBD	0.0431	99.92	999.2
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	99.92	999.2
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		99.92	999.2

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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Pesticide Analysis in ppm

Date/Time Extracted: 02/15/23 10:37
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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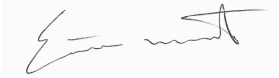

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Harvest/Prod. Date: 02.13.2023

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Residual Solvents

Date/Time Extracted: 02/15/23 11:56 **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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Molds and Fungi Screen

Date/Time Extracted: 02/15/23 12:51 **Analysis Method/SOP: 301**

Total Colonies:	< LOQ	CFU/g

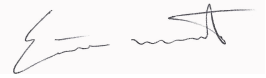
This is not a doctor's recommendation. A large majority of samples fall within the 1400-8500 range.
Microbial colony counting is not accrediated to ORELAP TNI 2009 or ISO 17025:2017 Quality Standards.

Metals by ICPMS

Date/Time Extracted: 02/16/23 08:57 **Analysis Method/SOP: Metals**

Analyte	Result	Action Level	LOD	LOQ	Units
Arsenic	< LOQ	0.2	0.002	0.05	ug/g
Cadmium	< LOQ	0.2	0.0002	0.05	ug/g
Lead	< LOQ	0.5	0.0003	0.05	ug/g
Mercury	< LOQ	0.1	0.0007	0.01	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

Potency

Batch: 2307039 - 215-Concentrates

Blank(2307039-BLK1)

Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	< LOQ	0.0005	%		02/16/23 10:29	02/16/23 22:52	
delta 9-THC	< LOQ	0.0005	%		02/16/23 10:29	02/16/23 22:52	
delta 8-THC	< LOQ	0.0934	%		02/16/23 10:29	02/16/23 22:52	
THCV	< LOQ	0.1052	%		02/16/23 10:29	02/16/23 22:52	
THCVA	< LOQ	0.0392	%		02/16/23 10:29	02/16/23 22:52	
CBD	< LOQ	0.0005	%		02/16/23 10:29	02/16/23 22:52	
CBDA	< LOQ	0.0005	%		02/16/23 10:29	02/16/23 22:52	
CBDV	< LOQ	0.1040	%		02/16/23 10:29	02/16/23 22:52	
CBDVA	< LOQ	0.0341	%		02/16/23 10:29	02/16/23 22:52	
CBN	< LOQ	0.0622	%		02/16/23 10:29	02/16/23 22:52	
CBG	< LOQ	0.0164	%		02/16/23 10:29	02/16/23 22:52	
CBGA	< LOQ	0.0164	%		02/16/23 10:29	02/16/23 22:52	
CBC	< LOQ	0.0186	%		02/16/23 10:29	02/16/23 22:52	

Reference(2307039-SRM1)

Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	93.4	0.0002	%	90-110	02/16/23 10:29	02/16/23 23:14	
delta 9-THC	107	0.0002	%	90-110	02/16/23 10:29	02/16/23 23:14	
delta 8-THC	104	0.0459	%	90-110	02/16/23 10:29	02/16/23 23:14	
CBD	101	0.0002	%	90-110	02/16/23 10:29	02/16/23 23:14	
CBDA	98.0	0.0002	%	90-110	02/16/23 10:29	02/16/23 23:14	

Pesticide Analysis

Batch: 2307020 - 202

Blank(2307020-BLK1)

Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Abamectin	< LOQ	0.1	ppm		02/15/23 10:37	02/16/23 02:05	
Acephate	< LOQ	0.1	ppm		02/15/23 10:37	02/16/23 02:05	
Acequinocyl	< LOQ	0.5	ppm		02/15/23 10:37	02/16/23 02:05	
Acetamiprid	< LOQ	0.1	ppm		02/15/23 10:37	02/16/23 02:05	
Aldicarb	< LOQ	0.1	ppm		02/15/23 10:37	02/16/23 02:05	
Azoxystrobin	< LOQ	0.1	ppm		02/15/23 10:37	02/16/23 02:05	
Bifenazate	< LOQ	0.1	ppm		02/15/23 10:37	02/16/23 02:05	
Bifenthrin	< LOQ	0.1	ppm		02/15/23 10:37	02/16/23 02:05	
Boscalid	< LOQ	0.1	ppm		02/15/23 10:37	02/15/23 17:00	
Carbaryl	< LOQ	0.1	ppm		02/15/23 10:37	02/16/23 02:05	
Carbofuran	< LOQ	0.1	ppm		02/15/23 10:37	02/16/23 02:05	
Chlorantraniliprole	< LOQ	0.1	ppm		02/15/23 10:37	02/16/23 02:05	
Chlorfenapyr	< LOQ	0.1	ppm		02/15/23 10:37	02/15/23 17:00	

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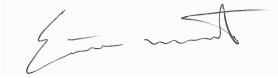
Quality Control

Pesticide Analysis (Continued)

Batch: 2307020 - 202 (Continued)

Blank(2307020-BLK1)

Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Chlorpyrifos	< LOQ	0.1	ppm		02/15/23 10:37	02/16/23 02:05	
Clofentezine	< LOQ	0.1	ppm		02/15/23 10:37	02/16/23 02:05	
Daminozide	< LOQ	0.5	ppm		02/15/23 10:37	02/16/23 02:05	
Cyfluthrin	< LOQ	0.5	ppm		02/15/23 10:37	02/15/23 17:00	
Diazinon	< LOQ	0.1	ppm		02/15/23 10:37	02/16/23 02:05	
Cypermethrin	< LOQ	0.5	ppm		02/15/23 10:37	02/15/23 17:00	
Dimethoate	< LOQ	0.1	ppm		02/15/23 10:37	02/16/23 02:05	
Ethoprophos	< LOQ	0.1	ppm		02/15/23 10:37	02/16/23 02:05	
Etofenprox	< LOQ	0.1	ppm		02/15/23 10:37	02/16/23 02:05	
Etoxazole	< LOQ	0.1	ppm		02/15/23 10:37	02/16/23 02:05	
Fenoxycarb	< LOQ	0.1	ppm		02/15/23 10:37	02/16/23 02:05	
Fenpyroximate	< LOQ	0.1	ppm		02/15/23 10:37	02/16/23 02:05	
Flonicamid	< LOQ	0.1	ppm		02/15/23 10:37	02/16/23 02:05	
Hexythiazox	< LOQ	0.1	ppm		02/15/23 10:37	02/16/23 02:05	
Imazalil	< LOQ	0.1	ppm		02/15/23 10:37	02/16/23 02:05	
Fipronil	< LOQ	0.1	ppm		02/15/23 10:37	02/15/23 17:00	
Imidacloprid	< LOQ	0.1	ppm		02/15/23 10:37	02/16/23 02:05	
Fludioxonil	< LOQ	0.1	ppm		02/15/23 10:37	02/15/23 17:00	
Metalaxyl	< LOQ	0.1	ppm		02/15/23 10:37	02/16/23 02:05	
Methiocarb	< LOQ	0.1	ppm		02/15/23 10:37	02/16/23 02:05	
Methomyl	< LOQ	0.1	ppm		02/15/23 10:37	02/16/23 02:05	
Myclobutanil	< LOQ	0.1	ppm		02/15/23 10:37	02/16/23 02:05	
Kresoxim-methyl	< LOQ	0.1	ppm		02/15/23 10:37	02/15/23 17:00	
Naled	< LOQ	0.1	ppm		02/15/23 10:37	02/16/23 02:05	
Malathion	< LOQ	0.1	ppm		02/15/23 10:37	02/15/23 17:00	
Oxamyl	< LOQ	0.1	ppm		02/15/23 10:37	02/16/23 02:05	
Paclobutrazol	< LOQ	0.1	ppm		02/15/23 10:37	02/16/23 02:05	
Permethrins	< LOQ	0.1	ppm		02/15/23 10:37	02/16/23 02:05	
Methyl parathion	< LOQ	0.1	ppm		02/15/23 10:37	02/15/23 17:00	
MGK-264	< LOQ	0.1	ppm		02/15/23 10:37	02/15/23 17:00	
Phosmet	< LOQ	0.1	ppm		02/15/23 10:37	02/16/23 02:05	
Piperonyl butoxide	< LOQ	0.9	ppm		02/15/23 10:37	02/16/23 02:05	
Prallethrin	< LOQ	0.1	ppm		02/15/23 10:37	02/16/23 02:05	
Propoxur	< LOQ	0.1	ppm		02/15/23 10:37	02/16/23 02:05	
Pyrethrins	< LOQ	0.5	ppm		02/15/23 10:37	02/16/23 02:05	
Pyridaben	< LOQ	0.1	ppm		02/15/23 10:37	02/16/23 02:05	
Propiconazole	< LOQ	0.1	ppm		02/15/23 10:37	02/15/23 17:00	
Spinosad	< LOQ	0.1	ppm		02/15/23 10:37	02/16/23 02:05	



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Quality Control

Pesticide Analysis (Continued)

Batch: 2307020 - 202 (Continued)

Blank(2307020-BLK1)

Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Spiromesifen	< LOQ	0.1	ppm		02/15/23 10:37	02/16/23 02:05	
Spirotetramat	< LOQ	0.1	ppm		02/15/23 10:37	02/16/23 02:05	
Spiroxamine	< LOQ	0.1	ppm		02/15/23 10:37	02/16/23 02:05	
Tebuconazole	< LOQ	0.1	ppm		02/15/23 10:37	02/16/23 02:05	
Thiacloprid	< LOQ	0.1	ppm		02/15/23 10:37	02/16/23 02:05	
Thiamethoxam	< LOQ	0.1	ppm		02/15/23 10:37	02/16/23 02:05	
Trifloxystrobin	< LOQ	0.1	ppm		02/15/23 10:37	02/16/23 02:05	
DDVP (Dichlorvos)	< LOQ	0.1	ppm		02/15/23 10:37	02/16/23 02:05	

LCS(2307020-BS1)

Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Abamectin	163	0.1	ppm	50-150	02/15/23 10:37	02/16/23 02:29	BSH
Acephate	105	0.1	ppm	60-120	02/15/23 10:37	02/16/23 02:29	
Acequinocyl	130	0.5	ppm	40-160	02/15/23 10:37	02/16/23 02:29	
Acetamiprid	104	0.1	ppm	60-120	02/15/23 10:37	02/16/23 02:29	
Aldicarb	103	0.1	ppm	60-120	02/15/23 10:37	02/16/23 02:29	
Azoxystrobin	103	0.1	ppm	60-120	02/15/23 10:37	02/16/23 02:29	
Bifenazate	99.4	0.1	ppm	60-120	02/15/23 10:37	02/16/23 02:29	
Bifenthrin	116	0.1	ppm	50-150	02/15/23 10:37	02/16/23 02:29	
Boscalid	72.5	0.1	ppm	60-120	02/15/23 10:37	02/15/23 17:22	
Carbaryl	105	0.1	ppm	60-120	02/15/23 10:37	02/16/23 02:29	
Carbofuran	107	0.1	ppm	60-120	02/15/23 10:37	02/16/23 02:29	
Chlorantraniliprole	140	0.1	ppm	60-120	02/15/23 10:37	02/16/23 02:29	BSH
Chlorfenapyr	110	0.1	ppm	60-120	02/15/23 10:37	02/15/23 17:22	
Chlorpyrifos	68.8	0.1	ppm	60-120	02/15/23 10:37	02/16/23 02:29	
Clofentezine	119	0.1	ppm	60-120	02/15/23 10:37	02/16/23 02:29	
Daminozide	123	0.5	ppm	60-120	02/15/23 10:37	02/16/23 02:29	BSH
Cyfluthrin	114	0.5	ppm	50-150	02/15/23 10:37	02/15/23 17:22	
Diazinon	108	0.1	ppm	60-120	02/15/23 10:37	02/16/23 02:29	
Cypermethrin	85.8	0.5	ppm	50-150	02/15/23 10:37	02/15/23 17:22	
Dimethoate	103	0.1	ppm	60-120	02/15/23 10:37	02/16/23 02:29	
Ethoprophos	104	0.1	ppm	60-120	02/15/23 10:37	02/16/23 02:29	
Etofenprox	113	0.1	ppm	50-150	02/15/23 10:37	02/16/23 02:29	
Etoxazole	101	0.1	ppm	60-120	02/15/23 10:37	02/16/23 02:29	
Fenoxycarb	110	0.1	ppm	60-120	02/15/23 10:37	02/16/23 02:29	
Fenpyroximate	108	0.1	ppm	60-120	02/15/23 10:37	02/16/23 02:29	
Flonicamid	109	0.1	ppm	60-120	02/15/23 10:37	02/16/23 02:29	
Hexythiazox	59.4	0.1	ppm	60-120	02/15/23 10:37	02/16/23 02:29	BSL
Imazalil	102	0.1	ppm	60-120	02/15/23 10:37	02/16/23 02:29	

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Quality Control

Pesticide Analysis (Continued)

Batch: 2307020 - 202 (Continued)

LCS(2307020-BS1)

Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Fipronil	85.8	0.1	ppm	60-120	02/15/23 10:37	02/15/23 17:22	
Imidacloprid	106	0.1	ppm	60-120	02/15/23 10:37	02/16/23 02:29	
Fludioxonil	80.6	0.1	ppm	50-150	02/15/23 10:37	02/15/23 17:22	
Metalaxyl	104	0.1	ppm	60-120	02/15/23 10:37	02/16/23 02:29	
Methiocarb	104	0.1	ppm	60-120	02/15/23 10:37	02/16/23 02:29	
Methomyl	105	0.1	ppm	60-120	02/15/23 10:37	02/16/23 02:29	
Myclobutanil	104	0.1	ppm	60-120	02/15/23 10:37	02/16/23 02:29	
Kresoxim-methyl	86.4	0.1	ppm	60-120	02/15/23 10:37	02/15/23 17:22	
Naled	108	0.1	ppm	50-150	02/15/23 10:37	02/16/23 02:29	
Malathion	107	0.1	ppm	60-120	02/15/23 10:37	02/15/23 17:22	
Oxamyl	104	0.1	ppm	60-120	02/15/23 10:37	02/16/23 02:29	
Paclobutrazol	112	0.1	ppm	60-120	02/15/23 10:37	02/16/23 02:29	
Permethrins	131	0.1	ppm	50-150	02/15/23 10:37	02/16/23 02:29	
Methyl parathion	91.1	0.1	ppm	50-150	02/15/23 10:37	02/15/23 17:22	
MGK-264	89.9	0.1	ppm	50-150	02/15/23 10:37	02/15/23 17:22	
Phosmet	112	0.1	ppm	50-150	02/15/23 10:37	02/16/23 02:29	
Piperonyl butoxide	93.3	0.9	ppm	60-120	02/15/23 10:37	02/16/23 02:29	
Prallethrin	101	0.1	ppm	60-120	02/15/23 10:37	02/16/23 02:29	
Propoxur	107	0.1	ppm	60-120	02/15/23 10:37	02/16/23 02:29	
Pyrethrins	120	0.5	ppm	60-120	02/15/23 10:37	02/16/23 02:29	
Pyridaben	108	0.1	ppm	50-150	02/15/23 10:37	02/16/23 02:29	
Propiconazole	75.2	0.1	ppm	60-120	02/15/23 10:37	02/15/23 17:22	
Spinosad	101	0.1	ppm	50-150	02/15/23 10:37	02/16/23 02:29	
Spiromesifen	98.8	0.1	ppm	60-120	02/15/23 10:37	02/16/23 02:29	
Spirotetramat	97.7	0.1	ppm	60-120	02/15/23 10:37	02/16/23 02:29	
Spiroxamine	103	0.1	ppm	60-120	02/15/23 10:37	02/16/23 02:29	
Tebuconazole	111	0.1	ppm	60-120	02/15/23 10:37	02/16/23 02:29	
Thiacloprid	107	0.1	ppm	60-120	02/15/23 10:37	02/16/23 02:29	
Thiamethoxam	108	0.1	ppm	60-120	02/15/23 10:37	02/16/23 02:29	
Trifloxystrobin	108	0.1	ppm	60-120	02/15/23 10:37	02/16/23 02:29	
DDVP (Dichlorvos)	97.1	0.1	ppm	60-120	02/15/23 10:37	02/16/23 02:29	

Solvent Analysis

Batch: 2307026 - 205

Blank(2307026-BLK1)

Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Acetone	< LOQ	1000	ppm		02/15/23 11:56	02/16/23 09:39	
Acetonitrile	< LOQ	50.00	ppm		02/15/23 11:56	02/16/23 09:39	

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Quality Control

Solvent Analysis (Continued)

Batch: 2307026 - 205 (Continued)

Blank(2307026-BLK1)

Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Benzene	< LOQ	1.000	ppm		02/15/23 11:56	02/16/23 09:39	
Butanes	< LOQ	1000	ppm		02/15/23 11:56	02/16/23 09:39	
2-Butanol	< LOQ	1000	ppm		02/15/23 11:56	02/16/23 09:39	
Cumene	< LOQ	35.00	ppm		02/15/23 11:56	02/16/23 09:39	
Cyclohexane	< LOQ	50.00	ppm		02/15/23 11:56	02/16/23 09:39	
Dichloromethane	< LOQ	50.00	ppm		02/15/23 11:56	02/16/23 09:39	
1,4-Dioxane	< LOQ	50.00	ppm		02/15/23 11:56	02/16/23 09:39	
2-Ethoxyethanol	< LOQ	80.00	ppm		02/15/23 11:56	02/16/23 09:39	
Ethyl acetate	< LOQ	1000	ppm		02/15/23 11:56	02/16/23 09:39	
Ethyl benzene	< LOQ	35.00	ppm		02/15/23 11:56	02/16/23 09:39	
Ethylene glycol	< LOQ	310.0	ppm		02/15/23 11:56	02/16/23 09:39	
Ethylene oxide	< LOQ	25.00	ppm		02/15/23 11:56	02/16/23 09:39	
Ethyl ether	< LOQ	1000	ppm		02/15/23 11:56	02/16/23 09:39	
Heptane	< LOQ	1000	ppm		02/15/23 11:56	02/16/23 09:39	
Hexanes	< LOQ	50.00	ppm		02/15/23 11:56	02/16/23 09:39	
Isopropyl acetate	< LOQ	1000	ppm		02/15/23 11:56	02/16/23 09:39	
Methanol	< LOQ	1000	ppm		02/15/23 11:56	02/16/23 09:39	
Pentanes	< LOQ	1000	ppm		02/15/23 11:56	02/16/23 09:39	
Propane	< LOQ	1000	ppm		02/15/23 11:56	02/16/23 09:39	
2-Propanol (IPA)	< LOQ	1000	ppm		02/15/23 11:56	02/16/23 09:39	
Tetrahydrofuran	< LOQ	50.00	ppm		02/15/23 11:56	02/16/23 09:39	
Toluene	< LOQ	50.00	ppm		02/15/23 11:56	02/16/23 09:39	
Xylenes	< LOQ	50.00	ppm		02/15/23 11:56	02/16/23 09:39	

LCS(2307026-BS1)

Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Acetone	92.5	1000	ppm	60-120	02/15/23 11:56	02/15/23 15:40	
Acetonitrile	87.9	50.00	ppm	60-120	02/15/23 11:56	02/15/23 15:40	
Benzene	92.4	1.000	ppm	60-120	02/15/23 11:56	02/15/23 15:40	
Butanes	103	1000	ppm	60-120	02/15/23 11:56	02/15/23 15:40	
2-Butanol	79.6	1000	ppm	60-120	02/15/23 11:56	02/15/23 15:40	
Cumene	75.2	35.00	ppm	60-120	02/15/23 11:56	02/15/23 15:40	
Cyclohexane	97.8	50.00	ppm	60-120	02/15/23 11:56	02/15/23 15:40	
Dichloromethane	89.6	50.00	ppm	60-120	02/15/23 11:56	02/15/23 15:40	
1,4-Dioxane	81.1	50.00	ppm	60-120	02/15/23 11:56	02/15/23 15:40	
2-Ethoxyethanol	63.4	80.00	ppm	60-120	02/15/23 11:56	02/15/23 15:40	
Ethyl acetate	91.1	1000	ppm	60-120	02/15/23 11:56	02/15/23 15:40	
Ethyl benzene	83.5	35.00	ppm	60-120	02/15/23 11:56	02/15/23 15:40	
Ethylene glycol	53.2	310.0	ppm	60-120	02/15/23 11:56	02/15/23 15:40	BSL

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Quality Control

Solvent Analysis (Continued)

Batch: 2307026 - 205 (Continued)

LCS(2307026-BS1)

Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Ethylene oxide	92.1	25.00	ppm	60-120	02/15/23 11:56	02/15/23 15:40	
Ethyl ether	97.2	1000	ppm	60-120	02/15/23 11:56	02/15/23 15:40	
Heptane	93.7	1000	ppm	60-120	02/15/23 11:56	02/15/23 15:40	
Hexanes	109	50.00	ppm	60-120	02/15/23 11:56	02/15/23 15:40	
Isopropyl acetate	89.1	1000	ppm	60-120	02/15/23 11:56	02/15/23 15:40	
Methanol	85.3	1000	ppm	60-120	02/15/23 11:56	02/15/23 15:40	
Pentanes	102	1000	ppm	60-120	02/15/23 11:56	02/15/23 15:40	
Propane	98.6	1000	ppm	60-120	02/15/23 11:56	02/15/23 15:40	
2-Propanol (IPA)	84.4	1000	ppm	60-120	02/15/23 11:56	02/15/23 15:40	
Tetrahydrofuran	87.8	50.00	ppm	60-120	02/15/23 11:56	02/15/23 15:40	
Toluene	86.6	50.00	ppm	60-120	02/15/23 11:56	02/15/23 15:40	

Mold and Fungi

Batch: 2307029 - 301

Blank(2307029-BLK1)

Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Molds and Fungi	< LOQ	10.0	cfu/g		02/15/23 12:51	02/17/23 09:57	

Blank(2307029-BLK2)

Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Molds and Fungi	< LOQ	10.0	cfu/g		02/15/23 12:51	02/17/23 09:57	

Batch: 2307033 - 217

Blank(2307033-BLK1)

Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Cadmium	< LOQ	0.05	ug/g		02/16/23 08:57	02/16/23 14:20	
Lead	< LOQ	0.05	ug/g		02/16/23 08:57	02/16/23 14:20	
Arsenic	< LOQ	0.05	ug/g		02/16/23 08:57	02/16/23 14:20	
Mercury	< LOQ	0.01	ug/g		02/16/23 08:57	02/16/23 14:20	

LCS(2307033-BS1)

Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Cadmium	103	0.05	ug/g	80-115	02/16/23 08:57	02/16/23 14:22	
Lead	104	0.05	ug/g	70-130	02/16/23 08:57	02/16/23 14:22	
Arsenic	125	0.05	ug/g	80-115	02/16/23 08:57	02/16/23 14:22	BSH
Mercury	86.5	0.01	ug/g	70-130	02/16/23 08:57	02/16/23 14:22	

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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

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