Green Leaf Lab
12025 NE Marx St. Portland, OR 97220
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License#: 10029074C70

Regulatory Compliance Testing (OAR-333-007) Official Report

FWCBN024

Sample ID: G1L0428-01 **Matrix:** Hemp Extracts &
Test ID: 5014823
Source ID:
Date Sampled: 12/22/21 **Date Accepted:** 12/22/21

Fresh Bros.

Primary and Duplicate Results at a Glance

	Averaged	Primary	Duplicate	%RPD (15% Action Level)
Total THC:	**<LOQ(0.1577%) %**	**< LOQ %**	**< LOQ %**	**0 % PASS**
Total CBD:	**0.0778 %**	**0.0819 %**	**0.0737 %**	**10.5 % PASS**
CBN:	**99.58 %**	**99.73 %**	**99.42 %**	
Pesticides:	**PASS**	**PASS**	**PASS**	
Solvents:	**PASS**	**PASS**	**PASS**	

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Eric Wendt
Chief Science Officer - 12/31/2021

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Test ID: 5014823
Source ID:
Date Sampled: 12/22/21 **Date Accepted:** 12/22/21

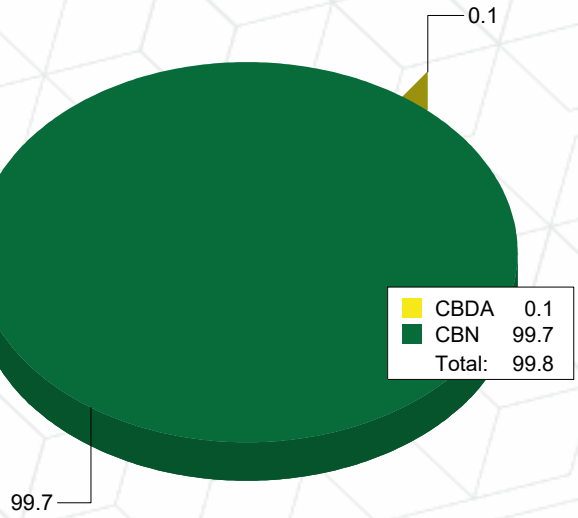
Fresh Bros.

Potency Analysis

Date/Time Extracted: 12/23/21 13:16 **Analysis Method/SOP: 215** **Batch Identification: 2152044**

Cannabinoids	LOQ (%)	% by Wt.	mg/g
Total THC	0.1577	< LOQ	< LOQ
Total CBD	0.0431	0.0819	0.819
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	0.0934	0.934
CBDV	0.1040	< LOQ	< LOQ
CBDVA	0.0341	< LOQ	< LOQ
CBN	0.0622	99.73	997.3
CBG	0.0164	< LOQ	< LOQ
CBGA	0.0164	< LOQ	< LOQ
CBC	0.0186	< LOQ	< LOQ
Total Cannabinoids		99.82	998.2

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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FWCBN024

Sample ID: G1L0428-01 **Matrix:** Hemp Extracts &
Test ID: 5014823
Source ID:
Date Sampled: 12/22/21 **Date Accepted:** 12/22/21

Fresh Bros.

Pesticide Analysis in ppm

Date/Time Extracted: 12/23/21 10:24
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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Eric Wendt
Chief Science Officer - 12/31/2021

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FWCBN024

Sample ID: G1L0428-01 **Matrix:** Hemp Extracts &
Test ID: 5014823
Source ID:
Date Sampled: 12/22/21 **Date Accepted:** 12/22/21

FloraWorks USA Inc.

Residual Solvents

Date/Time Extracted: 12/23/21 15:31 **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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Quality Control

Potency

Batch: 2152044 - 215-Concentrates

Blank(2152044-BLK1)

Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	< LOQ	0.0005	%		12/23/21 13:16	12/23/21 23:35	
delta 9-THC	< LOQ	0.0005	%		12/23/21 13:16	12/23/21 23:35	
delta 8-THC	< LOQ	0.0934	%		12/23/21 13:16	12/23/21 23:35	
THCV	< LOQ	0.1052	%		12/23/21 13:16	12/23/21 23:35	
THCVA	< LOQ	0.0392	%		12/23/21 13:16	12/23/21 23:35	
CBD	< LOQ	0.0005	%		12/23/21 13:16	12/23/21 23:35	
CBDA	< LOQ	0.0005	%		12/23/21 13:16	12/23/21 23:35	
CBDV	< LOQ	0.1040	%		12/23/21 13:16	12/23/21 23:35	
CBDVA	< LOQ	0.0341	%		12/23/21 13:16	12/23/21 23:35	
CBN	< LOQ	0.0622	%		12/23/21 13:16	12/23/21 23:35	
CBG	< LOQ	0.0164	%		12/23/21 13:16	12/23/21 23:35	
CBGA	< LOQ	0.0164	%		12/23/21 13:16	12/23/21 23:35	
CBC	< LOQ	0.0186	%		12/23/21 13:16	12/23/21 23:35	

Reference(2152044-SRM1)

Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	92.7	0.0002	%	70-130	12/23/21 13:16	12/23/21 23:58	
delta 9-THC	97.8	0.0002	%	70-130	12/23/21 13:16	12/23/21 23:58	
CBD	96.8	0.0002	%	70-130	12/23/21 13:16	12/23/21 23:58	
CBDA	94.2	0.0002	%	70-130	12/23/21 13:16	12/23/21 23:58	

Pesticide Analysis

Batch: 2152039 - 202

Blank(2152039-BLK1)

Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Abamectin	< LOQ	0.1	ppm		12/23/21 10:24	12/24/21 05:53	
Acephate	< LOQ	0.1	ppm		12/23/21 10:24	12/24/21 05:53	
Acequinocyl	< LOQ	0.5	ppm		12/23/21 10:24	12/24/21 05:53	
Acetamiprid	< LOQ	0.1	ppm		12/23/21 10:24	12/24/21 05:53	
Aldicarb	< LOQ	0.1	ppm		12/23/21 10:24	12/24/21 05:53	
Azoxystrobin	< LOQ	0.1	ppm		12/23/21 10:24	12/24/21 05:53	
Bifenazate	< LOQ	0.1	ppm		12/23/21 10:24	12/24/21 05:53	
Bifenthrin	< LOQ	0.1	ppm		12/23/21 10:24	12/24/21 05:53	
Boscalid	< LOQ	0.1	ppm		12/23/21 10:24	12/24/21 05:53	
Carbaryl	< LOQ	0.1	ppm		12/23/21 10:24	12/24/21 05:53	
Carbofuran	< LOQ	0.1	ppm		12/23/21 10:24	12/24/21 05:53	
Chlorantraniliprole	< LOQ	0.1	ppm		12/23/21 10:24	12/24/21 05:53	
Chlorfenapyr	< LOQ	0.1	ppm		12/23/21 10:24	12/24/21 03:34	
Chlorpyrifos	< LOQ	0.1	ppm		12/23/21 10:24	12/24/21 05:53	

QUALITY MANAGEMENT SYSTEM
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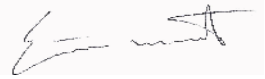

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Quality Control

Pesticide Analysis (Continued)

Batch: 2152039 - 202 (Continued)

Blank(2152039-BLK1)

Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Clofentezine	< LOQ	0.1	ppm		12/23/21 10:24	12/24/21 05:53	
Daminozide	< LOQ	0.5	ppm		12/23/21 10:24	12/24/21 05:53	
Cyfluthrin	< LOQ	0.5	ppm		12/23/21 10:24	12/24/21 03:34	
Diazinon	< LOQ	0.1	ppm		12/23/21 10:24	12/24/21 05:53	
Cypermethrin	< LOQ	0.5	ppm		12/23/21 10:24	12/24/21 03:34	
Dimethoate	< LOQ	0.1	ppm		12/23/21 10:24	12/24/21 05:53	
Ethoprophos	< LOQ	0.1	ppm		12/23/21 10:24	12/24/21 05:53	
Etofenprox	< LOQ	0.1	ppm		12/23/21 10:24	12/24/21 05:53	
Etoxazole	< LOQ	0.1	ppm		12/23/21 10:24	12/24/21 05:53	
Fenoxycarb	< LOQ	0.1	ppm		12/23/21 10:24	12/24/21 05:53	
Fenpyroximate	< LOQ	0.1	ppm		12/23/21 10:24	12/24/21 05:53	
Flonicamid	< LOQ	0.1	ppm		12/23/21 10:24	12/24/21 05:53	
Fludioxonil	< LOQ	0.1	ppm		12/23/21 10:24	12/24/21 05:53	
Hexythiazox	< LOQ	0.1	ppm		12/23/21 10:24	12/24/21 05:53	
Imazalil	< LOQ	0.1	ppm		12/23/21 10:24	12/24/21 05:53	
Fipronil	< LOQ	0.1	ppm		12/23/21 10:24	12/24/21 03:34	
Imidacloprid	< LOQ	0.1	ppm		12/23/21 10:24	12/24/21 05:53	
Malathion	< LOQ	0.1	ppm		12/23/21 10:24	12/24/21 05:53	
Metalaxyl	< LOQ	0.1	ppm		12/23/21 10:24	12/24/21 05:53	
Methiocarb	< LOQ	0.1	ppm		12/23/21 10:24	12/24/21 05:53	
Methomyl	< LOQ	0.1	ppm		12/23/21 10:24	12/24/21 05:53	
MGK-264	< LOQ	0.1	ppm		12/23/21 10:24	12/24/21 05:53	
Myclobutanil	< LOQ	0.1	ppm		12/23/21 10:24	12/24/21 05:53	
Kresoxim-methyl	< LOQ	0.1	ppm		12/23/21 10:24	12/24/21 03:34	
Naled	< LOQ	0.1	ppm		12/23/21 10:24	12/24/21 05:53	
Oxamyl	< LOQ	0.1	ppm		12/23/21 10:24	12/24/21 05:53	
Paclobutrazol	< LOQ	0.1	ppm		12/23/21 10:24	12/24/21 05:53	
Permethrins	< LOQ	0.1	ppm		12/23/21 10:24	12/24/21 05:53	
Methyl parathion	< LOQ	0.1	ppm		12/23/21 10:24	12/24/21 03:34	
Phosmet	< LOQ	0.1	ppm		12/23/21 10:24	12/24/21 05:53	
Piperonyl butoxide	< LOQ	0.9	ppm		12/23/21 10:24	12/24/21 05:53	
Prallethrin	< LOQ	0.1	ppm		12/23/21 10:24	12/24/21 05:53	
Propoxur	< LOQ	0.1	ppm		12/23/21 10:24	12/24/21 05:53	
Pyrethrins	< LOQ	0.5	ppm		12/23/21 10:24	12/24/21 05:53	
Pyridaben	< LOQ	0.1	ppm		12/23/21 10:24	12/24/21 05:53	
Spinosad	< LOQ	0.1	ppm		12/23/21 10:24	12/24/21 05:53	
Spiromesifen	< LOQ	0.1	ppm		12/23/21 10:24	12/24/21 05:53	
Spirotetramat	< LOQ	0.1	ppm		12/23/21 10:24	12/24/21 05:53	

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Quality Control

Pesticide Analysis (Continued)

Batch: 2152039 - 202 (Continued)

Blank(2152039-BLK1)

Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Spiroxamine	< LOQ	0.1	ppm		12/23/21 10:24	12/24/21 05:53	
Tebuconazole	< LOQ	0.1	ppm		12/23/21 10:24	12/24/21 05:53	
Thiacloprid	< LOQ	0.1	ppm		12/23/21 10:24	12/24/21 05:53	
Thiamethoxam	< LOQ	0.1	ppm		12/23/21 10:24	12/24/21 05:53	
Trifloxystrobin	< LOQ	0.1	ppm		12/23/21 10:24	12/24/21 05:53	
Propiconazole	< LOQ	0.1	ppm		12/23/21 10:24	12/24/21 05:53	
DDVP (Dichlorvos)	< LOQ	0.1	ppm		12/23/21 10:24	12/24/21 05:53	

LCS(2152039-BS1)

Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Abamectin	72.3	0.1	ppm	10-172	12/23/21 10:24	12/24/21 06:17	
Acephate	93.2	0.1	ppm	55.6-157	12/23/21 10:24	12/24/21 06:17	
Acequinocyl	101	0.5	ppm	10-100	12/23/21 10:24	12/24/21 06:17	
Acetamiprid	81.5	0.1	ppm	70-130	12/23/21 10:24	12/24/21 06:17	
Aldicarb	81.8	0.1	ppm	70-130	12/23/21 10:24	12/24/21 06:17	
Azoxystrobin	82.9	0.1	ppm	70-130	12/23/21 10:24	12/24/21 06:17	
Bifenazate	83.6	0.1	ppm	45-130	12/23/21 10:24	12/24/21 06:17	
Bifenthrin	85.9	0.1	ppm	49.9-140	12/23/21 10:24	12/24/21 06:17	
Boscalid	86.0	0.1	ppm	64.2-140	12/23/21 10:24	12/24/21 06:17	
Carbaryl	84.9	0.1	ppm	64.6-150	12/23/21 10:24	12/24/21 06:17	
Carbofuran	82.2	0.1	ppm	70-130	12/23/21 10:24	12/24/21 06:17	
Chlorantraniliprole	39.5	0.1	ppm	42.8-117	12/23/21 10:24	12/24/21 06:17	
Chlorfenapyr	159	0.1	ppm	65.1-149	12/23/21 10:24	12/24/21 03:57	BSH
Chlorpyrifos	91.4	0.1	ppm	44.8-159	12/23/21 10:24	12/24/21 06:17	
Clofentezine	89.4	0.1	ppm	10-100	12/23/21 10:24	12/24/21 06:17	
Daminozide	84.2	0.5	ppm	10-214	12/23/21 10:24	12/24/21 06:17	
Cyfluthrin	80.0	0.5	ppm	61.5-142	12/23/21 10:24	12/24/21 03:57	
Diazinon	79.4	0.1	ppm	70-130	12/23/21 10:24	12/24/21 06:17	
Cypermethrin	210	0.5	ppm	54.3-166	12/23/21 10:24	12/24/21 03:57	BSH
Dimethoate	79.2	0.1	ppm	63.7-144	12/23/21 10:24	12/24/21 06:17	
Ethoprophos	81.2	0.1	ppm	70-130	12/23/21 10:24	12/24/21 06:17	
Etofenprox	82.4	0.1	ppm	53.7-123	12/23/21 10:24	12/24/21 06:17	
Etoxazole	83.8	0.1	ppm	70-130	12/23/21 10:24	12/24/21 06:17	
Fenoxycarb	79.8	0.1	ppm	61.7-136	12/23/21 10:24	12/24/21 06:17	
Fenpyroximate	67.1	0.1	ppm	18.9-100	12/23/21 10:24	12/24/21 06:17	
Flonicamid	93.8	0.1	ppm	36.9-173	12/23/21 10:24	12/24/21 06:17	
Fludioxonil	84.9	0.1	ppm	70-130	12/23/21 10:24	12/24/21 06:17	
Hexythiazox	86.0	0.1	ppm	40.9-182	12/23/21 10:24	12/24/21 06:17	
Imazalil	76.6	0.1	ppm	44.6-109	12/23/21 10:24	12/24/21 06:17	

QUALITY MANAGEMENT SYSTEM
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Eric Wendt
Chief Science Officer - 12/31/2021

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Quality Control

Pesticide Analysis (Continued)

Batch: 2152039 - 202 (Continued)

LCS(2152039-BS1)

Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Fipronil	261	0.1	ppm	60.2-140	12/23/21 10:24	12/24/21 03:57	BSH
Imidacloprid	90.6	0.1	ppm	52.5-163	12/23/21 10:24	12/24/21 06:17	
Malathion	93.9	0.1	ppm	73.1-138	12/23/21 10:24	12/24/21 06:17	
Metalaxyl	82.2	0.1	ppm	70-130	12/23/21 10:24	12/24/21 06:17	
Methiocarb	85.0	0.1	ppm	75.6-137	12/23/21 10:24	12/24/21 06:17	
Methomyl	83.9	0.1	ppm	44.1-167	12/23/21 10:24	12/24/21 06:17	
MGK-264	104	0.1	ppm	62.5-140	12/23/21 10:24	12/24/21 06:17	
Myclobutanil	84.2	0.1	ppm	72.5-142	12/23/21 10:24	12/24/21 06:17	
Kresoxim-methyl	251	0.1	ppm	70.3-140	12/23/21 10:24	12/24/21 03:57	BSH
Naled	75.7	0.1	ppm	70-130	12/23/21 10:24	12/24/21 06:17	
Oxamyl	84.7	0.1	ppm	55-155	12/23/21 10:24	12/24/21 06:17	
Paclobutrazol	83.3	0.1	ppm	65-144	12/23/21 10:24	12/24/21 06:17	
Permethrins	89.9	0.1	ppm	10-180	12/23/21 10:24	12/24/21 06:17	
Methyl parathion	203	0.1	ppm	51.9-131	12/23/21 10:24	12/24/21 03:57	BSH
Phosmet	82.5	0.1	ppm	70-130	12/23/21 10:24	12/24/21 06:17	
Piperonyl butoxide	147	0.9	ppm	10-166	12/23/21 10:24	12/24/21 06:17	
Prallethrin	89.7	0.1	ppm	70-130	12/23/21 10:24	12/24/21 06:17	
Propoxur	82.2	0.1	ppm	70.3-147	12/23/21 10:24	12/24/21 06:17	
Pyrethrins	462	0.5	ppm	10-198	12/23/21 10:24	12/24/21 06:17	
Pyridaben	78.9	0.1	ppm	60.3-128	12/23/21 10:24	12/24/21 06:17	
Spinosad	84.2	0.1	ppm	39-127	12/23/21 10:24	12/24/21 06:17	
Spiromesifen	81.0	0.1	ppm	40.8-187	12/23/21 10:24	12/24/21 06:17	
Spirotetramat	80.0	0.1	ppm	70-130	12/23/21 10:24	12/24/21 06:17	
Spiroxamine	77.3	0.1	ppm	70-130	12/23/21 10:24	12/24/21 06:17	
Tebuconazole	79.0	0.1	ppm	50.8-133	12/23/21 10:24	12/24/21 06:17	
Thiacloprid	83.0	0.1	ppm	70-130	12/23/21 10:24	12/24/21 06:17	
Thiamethoxam	90.7	0.1	ppm	70-130	12/23/21 10:24	12/24/21 06:17	
Trifloxystrobin	85.6	0.1	ppm	70-130	12/23/21 10:24	12/24/21 06:17	
Propiconazole	84.3	0.1	ppm	33.4-147	12/23/21 10:24	12/24/21 06:17	
DDVP (Dichlorvos)	101	0.1	ppm	39.1-185	12/23/21 10:24	12/24/21 06:17	

Solvent Analysis

Batch: 2152049 - 205

Blank(2152049-BLK1)

Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Acetone	< LOQ	1000	ppm		12/23/21 15:31	12/25/21 02:39	
Acetonitrile	< LOQ	50.00	ppm		12/23/21 15:31	12/25/21 02:39	
Benzene	< LOQ	1.000	ppm		12/23/21 15:31	12/25/21 02:39	

QUALITY MANAGEMENT SYSTEM
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Eric Wendt
Chief Science Officer - 12/31/2021

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Quality Control

Solvent Analysis (Continued)

Batch: 2152049 - 205 (Continued)

Blank(2152049-BLK1)

Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Butanes	< LOQ	1000	ppm		12/23/21 15:31	12/25/21 02:39	
2-Butanol	< LOQ	1000	ppm		12/23/21 15:31	12/25/21 02:39	
Cumene	< LOQ	35.00	ppm		12/23/21 15:31	12/25/21 02:39	
Cyclohexane	< LOQ	50.00	ppm		12/23/21 15:31	12/25/21 02:39	
Dichloromethane	< LOQ	50.00	ppm		12/23/21 15:31	12/25/21 02:39	
1,4-Dioxane	< LOQ	50.00	ppm		12/23/21 15:31	12/25/21 02:39	
2-Ethoxyethanol	< LOQ	80.00	ppm		12/23/21 15:31	12/25/21 02:39	
Ethyl acetate	< LOQ	1000	ppm		12/23/21 15:31	12/25/21 02:39	
Ethyl benzene	< LOQ	35.00	ppm		12/23/21 15:31	12/25/21 02:39	
Ethylene glycol	< LOQ	310.0	ppm		12/23/21 15:31	12/25/21 02:39	
Ethylene oxide	< LOQ	25.00	ppm		12/23/21 15:31	12/25/21 02:39	
Ethyl ether	< LOQ	1000	ppm		12/23/21 15:31	12/25/21 02:39	
Heptane	< LOQ	1000	ppm		12/23/21 15:31	12/25/21 02:39	
Hexanes	< LOQ	50.00	ppm		12/23/21 15:31	12/25/21 02:39	
Isopropyl acetate	< LOQ	1000	ppm		12/23/21 15:31	12/25/21 02:39	
Methanol	< LOQ	1000	ppm		12/23/21 15:31	12/25/21 02:39	
Pentanes	< LOQ	1000	ppm		12/23/21 15:31	12/25/21 02:39	
Propane	< LOQ	1000	ppm		12/23/21 15:31	12/25/21 02:39	
2-Propanol (IPA)	< LOQ	1000	ppm		12/23/21 15:31	12/25/21 02:39	
Tetrahydrofuran	< LOQ	50.00	ppm		12/23/21 15:31	12/25/21 02:39	
Toluene	< LOQ	50.00	ppm		12/23/21 15:31	12/25/21 02:39	
Xylenes	< LOQ	50.00	ppm		12/23/21 15:31	12/25/21 02:39	

LCS(2152049-BS1)

Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Acetone	81.1	1000	ppm	70-130	12/23/21 15:31	12/24/21 20:56	
Acetonitrile	79.9	50.00	ppm	70-130	12/23/21 15:31	12/24/21 20:56	
Benzene	90.0	1.000	ppm	66.6-119	12/23/21 15:31	12/24/21 20:56	
n-Butane	58.3	50.00	ppm	70-130	12/23/21 15:31	12/24/21 20:56	
Butanes	58.6	1000	ppm	55-130	12/23/21 15:31	12/24/21 20:56	
2-Butanol	81.2	1000	ppm	70-130	12/23/21 15:31	12/24/21 20:56	
Cumene	106	35.00	ppm	70-130	12/23/21 15:31	12/24/21 20:56	
Cyclohexane	80.5	50.00	ppm	70-130	12/23/21 15:31	12/24/21 20:56	
Dichloromethane	77.9	50.00	ppm	70-130	12/23/21 15:31	12/24/21 20:56	
1,4-Dioxane	98.1	50.00	ppm	70-130	12/23/21 15:31	12/24/21 20:56	
2-Ethoxyethanol	87.6	80.00	ppm	70-130	12/23/21 15:31	12/24/21 20:56	
Ethyl acetate	85.4	1000	ppm	70-130	12/23/21 15:31	12/24/21 20:56	
Ethyl benzene	100	35.00	ppm	70-130	12/23/21 15:31	12/24/21 20:56	
Ethylene glycol	122	310.0	ppm	60.3-146	12/23/21 15:31	12/24/21 20:56	

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Quality Control

Solvent Analysis (Continued)

Batch: 2152049 - 205 (Continued)

LCS(2152049-BS1)

Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Ethylene oxide	70.0	25.00	ppm	70-130	12/23/21 15:31	12/24/21 20:56	
Ethyl ether	74.6	1000	ppm	70-130	12/23/21 15:31	12/24/21 20:56	
Heptane	75.2	1000	ppm	70-130	12/23/21 15:31	12/24/21 20:56	
n-Hexane	73.7	50.00	ppm	70-130	12/23/21 15:31	12/24/21 20:56	
Hexanes	73.6	50.00	ppm	70-130	12/23/21 15:31	12/24/21 20:56	
iso-Butane	58.8	50.00	ppm	70-130	12/23/21 15:31	12/24/21 20:56	
Isopropyl acetate	83.7	1000	ppm	70-130	12/23/21 15:31	12/24/21 20:56	
iso-Pentane	65.3	50.00	ppm	70-130	12/23/21 15:31	12/24/21 20:56	
Methanol	106	1000	ppm	45-130	12/23/21 15:31	12/24/21 20:56	
2-Methylpentane	71.3	50.00	ppm	70-130	12/23/21 15:31	12/24/21 20:56	
3-Methylpentane	73.4	50.00	ppm	70-130	12/23/21 15:31	12/24/21 20:56	
neo-Pentane	64.7	50.00	ppm	70-130	12/23/21 15:31	12/24/21 20:56	
n-Pentane	68.0	50.00	ppm	70-130	12/23/21 15:31	12/24/21 20:56	
Pentanes	66.0	1000	ppm	70-130	12/23/21 15:31	12/24/21 20:56	
Propane	52.9	1000	ppm	42-130	12/23/21 15:31	12/24/21 20:56	
2-Propanol (IPA)	76.7	1000	ppm	70-130	12/23/21 15:31	12/24/21 20:56	
Tetrahydrofuran	80.4	50.00	ppm	70-130	12/23/21 15:31	12/24/21 20:56	
Toluene	94.3	50.00	ppm	70-130	12/23/21 15:31	12/24/21 20:56	

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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.

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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