



D8A-F-112422

Sample ID: G2K0408-02

Matrix: Hemp Extracts &

Test ID: 5020142

Source ID:

Date Sampled: 11/28/22

Date Accepted: 11/28/22

Results at a Glance

Total THC : <LOQ (0.1577%) %

Total CBD : <LOQ (0.0431%) %

delta 8-THC : 92.58 % PASS

Pesticides : PASS

Residual Solvent Analysis : PASS



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Chief Science Officer - 12/6/2022



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Sample ID: G2K0408-02

Matrix: Hemp Extracts &

Test ID: 5020142

Source ID:

Date Sampled: 11/28/22

Date Accepted: 11/28/22

Potency Analysis

Date/Time Extracted: 11/30/22 12:30

Analysis Method/SOP: 215

Batch Identification: 2249036

Cannabinoids	LOQ (%)	% by Wt.	mg/g	Cannabinoids Profile
Total THC	0.1577	< LOQ	< LOQ	<p>92.6</p> <ul style="list-style-type: none"> delta 8-THC 92.6 Total: 92.6
Total CBD	0.0431	< LOQ	< LOQ	
THCA	0.0005	< LOQ	< LOQ	
delta 9-THC	0.0005	< LOQ	< LOQ	
delta 8-THC	0.0934	92.58	925.8	
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	< LOQ	< LOQ	
CBGA	0.0164	< LOQ	< LOQ	
CBC	0.0186	< LOQ	< LOQ	
Total Cannabinoids		92.58	925.8	

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.



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Sample ID: G2K0408-02

Matrix: Hemp Extracts &

Test ID: 5020142

Source ID:

Date Sampled: 11/28/22

Date Accepted: 11/28/22

Pesticide Analysis in ppm

Date/Time Extracted: 11/30/22 08:50

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		Fonicamid	< 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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Sample ID: G2K0408-02

Matrix: Hemp Extracts &

Test ID: 5020142

Source ID:

Date Sampled: 11/28/22

Date Accepted: 11/28/22

Residual Solvents

Date/Time Extracted: 11/29/22 15:56

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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Quality Control Potency

Batch: 2249036 - 215-Concentrates

Blank(2249036-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	< LOQ	0.0002	%		11/30/22 12:30	12/01/22 09:39	
delta 9-THC	< LOQ	0.0002	%		11/30/22 12:30	12/01/22 09:39	
delta 8-THC	< LOQ	0.0451	%		11/30/22 12:30	12/01/22 09:39	
THCV	< LOQ	0.0508	%		11/30/22 12:30	12/01/22 09:39	
THCVA	< LOQ	0.0189	%		11/30/22 12:30	12/01/22 09:39	
CBD	< LOQ	0.0002	%		11/30/22 12:30	12/01/22 09:39	
CBDA	< LOQ	0.0002	%		11/30/22 12:30	12/01/22 09:39	
CBDV	< LOQ	0.0503	%		11/30/22 12:30	12/01/22 09:39	
CBDVA	< LOQ	0.0165	%		11/30/22 12:30	12/01/22 09:39	
CBN	< LOQ	0.0301	%		11/30/22 12:30	12/01/22 09:39	
CBG	< LOQ	0.0079	%		11/30/22 12:30	12/01/22 09:39	
CBGA	< LOQ	0.0079	%		11/30/22 12:30	12/01/22 09:39	
CBC	< LOQ	0.0090	%		11/30/22 12:30	12/01/22 09:39	

Reference(2249036-SRM1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	109	0.0003	%	90-110	11/30/22 12:30	12/01/22 10:01	
delta 9-THC	95.4	0.0003	%	90-110	11/30/22 12:30	12/01/22 10:01	
delta 8-THC	102	0.0502	%	90-110	11/30/22 12:30	12/01/22 10:01	
CBD	103	0.0003	%	90-110	11/30/22 12:30	12/01/22 10:01	
CBDA	104	0.0003	%	90-110	11/30/22 12:30	12/01/22 10:01	

Pesticide Analysis

Batch: 2249026 - 202

Blank(2249026-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Abamectin	< LOQ	0.1	ppm		11/30/22 08:50	11/30/22 14:41	
Acephate	< LOQ	0.1	ppm		11/30/22 08:50	11/30/22 14:41	
Acequinocyl	< LOQ	0.5	ppm		11/30/22 08:50	11/30/22 14:41	
Acetamiprid	< LOQ	0.1	ppm		11/30/22 08:50	11/30/22 14:41	
Aldicarb	< LOQ	0.1	ppm		11/30/22 08:50	11/30/22 14:41	
Azoxystrobin	< LOQ	0.1	ppm		11/30/22 08:50	11/30/22 14:41	
Bifenazate	< LOQ	0.1	ppm		11/30/22 08:50	11/30/22 14:41	
Bifenthrin	< LOQ	0.1	ppm		11/30/22 08:50	11/30/22 14:41	
Boscalid	< LOQ	0.1	ppm		11/30/22 08:50	11/30/22 21:09	
Carbaryl	< LOQ	0.1	ppm		11/30/22 08:50	11/30/22 14:41	
Carbofuran	< LOQ	0.1	ppm		11/30/22 08:50	11/30/22 14:41	
Chlorantraniliprole	< LOQ	0.1	ppm		11/30/22 08:50	11/30/22 14:41	
Chlorfenapyr	< LOQ	0.1	ppm		11/30/22 08:50	11/30/22 21:09	



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Quality Control Pesticide Analysis (Continued)

Batch: 2249026 - 202 (Continued)

Blank(2249026-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Chlorpyrifos	< LOQ	0.1	ppm		11/30/22 08:50	11/30/22 14:41	
Clofentezine	< LOQ	0.1	ppm		11/30/22 08:50	11/30/22 14:41	
Daminozide	< LOQ	0.5	ppm		11/30/22 08:50	11/30/22 14:41	
Cyfluthrin	< LOQ	0.5	ppm		11/30/22 08:50	11/30/22 21:09	
Diazinon	< LOQ	0.1	ppm		11/30/22 08:50	11/30/22 14:41	
Cypermethrin	< LOQ	0.5	ppm		11/30/22 08:50	11/30/22 21:09	
Dimethoate	< LOQ	0.1	ppm		11/30/22 08:50	11/30/22 14:41	
Ethoprophos	< LOQ	0.1	ppm		11/30/22 08:50	11/30/22 14:41	
Etofenprox	< LOQ	0.1	ppm		11/30/22 08:50	11/30/22 14:41	
Etoxazole	< LOQ	0.1	ppm		11/30/22 08:50	11/30/22 14:41	
Fenoxycarb	< LOQ	0.1	ppm		11/30/22 08:50	11/30/22 14:41	
Fenpyroximate	< LOQ	0.1	ppm		11/30/22 08:50	11/30/22 14:41	
Fonicamid	< LOQ	0.1	ppm		11/30/22 08:50	11/30/22 14:41	
Hexythiazox	< LOQ	0.1	ppm		11/30/22 08:50	11/30/22 14:41	
Imazalil	< LOQ	0.1	ppm		11/30/22 08:50	11/30/22 14:41	
Fipronil	< LOQ	0.1	ppm		11/30/22 08:50	11/30/22 21:09	
Imidacloprid	< LOQ	0.1	ppm		11/30/22 08:50	11/30/22 14:41	
Fludioxonil	< LOQ	0.1	ppm		11/30/22 08:50	11/30/22 21:09	
Metalaxyl	< LOQ	0.1	ppm		11/30/22 08:50	11/30/22 14:41	
Methiocarb	< LOQ	0.1	ppm		11/30/22 08:50	11/30/22 14:41	
Methomyl	< LOQ	0.1	ppm		11/30/22 08:50	11/30/22 14:41	
Myclobutanil	< LOQ	0.1	ppm		11/30/22 08:50	11/30/22 14:41	
Kresoxim-methyl	< LOQ	0.1	ppm		11/30/22 08:50	11/30/22 21:09	
Naled	< LOQ	0.1	ppm		11/30/22 08:50	11/30/22 14:41	
Malathion	< LOQ	0.1	ppm		11/30/22 08:50	11/30/22 21:09	
Oxamyl	< LOQ	0.1	ppm		11/30/22 08:50	11/30/22 14:41	
Paclobutrazol	< LOQ	0.1	ppm		11/30/22 08:50	11/30/22 14:41	
Permethrins	< LOQ	0.1	ppm		11/30/22 08:50	11/30/22 14:41	
Methyl parathion	< LOQ	0.1	ppm		11/30/22 08:50	11/30/22 21:09	
MGK-264	< LOQ	0.1	ppm		11/30/22 08:50	11/30/22 21:09	
Phosmet	< LOQ	0.1	ppm		11/30/22 08:50	11/30/22 14:41	
Piperonyl butoxide	< LOQ	0.9	ppm		11/30/22 08:50	11/30/22 14:41	
Prallethrin	< LOQ	0.1	ppm		11/30/22 08:50	11/30/22 14:41	
Propoxur	< LOQ	0.1	ppm		11/30/22 08:50	11/30/22 14:41	
Pyrethrins	< LOQ	0.5	ppm		11/30/22 08:50	11/30/22 14:41	
Pyridaben	< LOQ	0.1	ppm		11/30/22 08:50	11/30/22 14:41	
Propiconazole	< LOQ	0.1	ppm		11/30/22 08:50	11/30/22 21:09	
Spinosad	< LOQ	0.1	ppm		11/30/22 08:50	11/30/22 14:41	



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Quality Control Pesticide Analysis (Continued)

Batch: 2249026 - 202 (Continued)

Blank(2249026-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Spiromesifen	< LOQ	0.1	ppm		11/30/22 08:50	11/30/22 14:41	
Spirotetramat	< LOQ	0.1	ppm		11/30/22 08:50	11/30/22 14:41	
Spiroxamine	< LOQ	0.1	ppm		11/30/22 08:50	11/30/22 14:41	
Tebuconazole	< LOQ	0.1	ppm		11/30/22 08:50	11/30/22 14:41	
Thiacloprid	< LOQ	0.1	ppm		11/30/22 08:50	11/30/22 14:41	
Thiamethoxam	< LOQ	0.1	ppm		11/30/22 08:50	11/30/22 14:41	
Trifloxystrobin	< LOQ	0.1	ppm		11/30/22 08:50	11/30/22 14:41	
DDVP (Dichlorvos)	< LOQ	0.1	ppm		11/30/22 08:50	11/30/22 14:41	

LCS(2249026-BS1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Abamectin	102	0.1	ppm	50-150	11/30/22 08:50	11/30/22 15:04	
Acephate	113	0.1	ppm	60-120	11/30/22 08:50	11/30/22 15:04	
Acequinocyl	112	0.5	ppm	40-160	11/30/22 08:50	11/30/22 15:04	
Acetamiprid	117	0.1	ppm	60-120	11/30/22 08:50	11/30/22 15:04	
Aldicarb	118	0.1	ppm	60-120	11/30/22 08:50	11/30/22 15:04	
Azoxystrobin	117	0.1	ppm	60-120	11/30/22 08:50	11/30/22 15:04	
Bifenazate	121	0.1	ppm	60-120	11/30/22 08:50	11/30/22 15:04	BSH
Bifenthrin	115	0.1	ppm	50-150	11/30/22 08:50	11/30/22 15:04	
Boscalid	97.9	0.1	ppm	60-120	11/30/22 08:50	11/30/22 21:31	
Carbaryl	118	0.1	ppm	60-120	11/30/22 08:50	11/30/22 15:04	
Carbofuran	116	0.1	ppm	60-120	11/30/22 08:50	11/30/22 15:04	
Chlorantraniliprole	101	0.1	ppm	60-120	11/30/22 08:50	11/30/22 15:04	
Chlorfenapyr	111	0.1	ppm	60-120	11/30/22 08:50	11/30/22 21:31	
Chlorpyrifos	121	0.1	ppm	60-120	11/30/22 08:50	11/30/22 15:04	BSH
Clofentezine	100	0.1	ppm	60-120	11/30/22 08:50	11/30/22 15:04	
Daminozide	96.3	0.5	ppm	60-120	11/30/22 08:50	11/30/22 15:04	
Cyfluthrin	126	0.5	ppm	50-150	11/30/22 08:50	11/30/22 21:31	
Diazinon	119	0.1	ppm	60-120	11/30/22 08:50	11/30/22 15:04	
Cypermethrin	84.6	0.5	ppm	50-150	11/30/22 08:50	11/30/22 21:31	
Dimethoate	118	0.1	ppm	60-120	11/30/22 08:50	11/30/22 15:04	
Ethoprophos	118	0.1	ppm	60-120	11/30/22 08:50	11/30/22 15:04	
Etofenprox	110	0.1	ppm	50-150	11/30/22 08:50	11/30/22 15:04	
Etoxazole	112	0.1	ppm	60-120	11/30/22 08:50	11/30/22 15:04	
Fenoxycarb	110	0.1	ppm	60-120	11/30/22 08:50	11/30/22 15:04	
Fenpyroximate	113	0.1	ppm	60-120	11/30/22 08:50	11/30/22 15:04	
Fonicamid	120	0.1	ppm	60-120	11/30/22 08:50	11/30/22 15:04	
Hexythiazox	111	0.1	ppm	60-120	11/30/22 08:50	11/30/22 15:04	
Imazalil	115	0.1	ppm	60-120	11/30/22 08:50	11/30/22 15:04	



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Quality Control Pesticide Analysis (Continued)

Batch: 2249026 - 202 (Continued)

LCS(2249026-BS1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Fipronil	120	0.1	ppm	60-120	11/30/22 08:50	11/30/22 21:31	
Imidacloprid	109	0.1	ppm	60-120	11/30/22 08:50	11/30/22 15:04	
Fludioxonil	115	0.1	ppm	50-150	11/30/22 08:50	11/30/22 21:31	
Metalaxyl	115	0.1	ppm	60-120	11/30/22 08:50	11/30/22 15:04	
Methiocarb	124	0.1	ppm	60-120	11/30/22 08:50	11/30/22 15:04	BSH
Methomyl	119	0.1	ppm	60-120	11/30/22 08:50	11/30/22 15:04	
Myclobutanil	114	0.1	ppm	60-120	11/30/22 08:50	11/30/22 15:04	
Kresoxim-methyl	115	0.1	ppm	60-120	11/30/22 08:50	11/30/22 21:31	
Naled	123	0.1	ppm	50-150	11/30/22 08:50	11/30/22 15:04	
Malathion	107	0.1	ppm	60-120	11/30/22 08:50	11/30/22 21:31	
Oxamyl	119	0.1	ppm	60-120	11/30/22 08:50	11/30/22 15:04	
Paclobutrazol	101	0.1	ppm	60-120	11/30/22 08:50	11/30/22 15:04	
Permethrins	108	0.1	ppm	50-150	11/30/22 08:50	11/30/22 15:04	
Methyl parathion	97.2	0.1	ppm	50-150	11/30/22 08:50	11/30/22 21:31	
MGK-264	123	0.1	ppm	50-150	11/30/22 08:50	11/30/22 21:31	
Phosmet	118	0.1	ppm	50-150	11/30/22 08:50	11/30/22 15:04	
Piperonyl butoxide	115	0.9	ppm	60-120	11/30/22 08:50	11/30/22 15:04	
Prallethrin	126	0.1	ppm	60-120	11/30/22 08:50	11/30/22 15:04	BSH
Propoxur	119	0.1	ppm	60-120	11/30/22 08:50	11/30/22 15:04	
Pyrethrins	104	0.5	ppm	60-120	11/30/22 08:50	11/30/22 15:04	
Pyridaben	126	0.1	ppm	50-150	11/30/22 08:50	11/30/22 15:04	
Propiconazole	99.1	0.1	ppm	60-120	11/30/22 08:50	11/30/22 21:31	
Spinosad	113	0.1	ppm	50-150	11/30/22 08:50	11/30/22 15:04	
Spiromesifen	113	0.1	ppm	60-120	11/30/22 08:50	11/30/22 15:04	
Spirotetramat	116	0.1	ppm	60-120	11/30/22 08:50	11/30/22 15:04	
Spiroxamine	113	0.1	ppm	60-120	11/30/22 08:50	11/30/22 15:04	
Tebuconazole	110	0.1	ppm	60-120	11/30/22 08:50	11/30/22 15:04	
Thiacloprid	118	0.1	ppm	60-120	11/30/22 08:50	11/30/22 15:04	
Thiamethoxam	119	0.1	ppm	60-120	11/30/22 08:50	11/30/22 15:04	
Trifloxystrobin	116	0.1	ppm	60-120	11/30/22 08:50	11/30/22 15:04	
DDVP (Dichlorvos)	131	0.1	ppm	60-120	11/30/22 08:50	11/30/22 15:04	BSH

Solvent Analysis

Batch: 2249025 - 205

Blank(2249025-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Acetone	< LOQ	1000	ppm		11/29/22 15:56	11/30/22 08:46	
Acetonitrile	< LOQ	50.00	ppm		11/29/22 15:56	11/30/22 08:46	



Eric Wendt
Chief Science Officer - 12/6/2022



Quality Control Solvent Analysis (Continued)

Batch: 2249025 - 205 (Continued)

Blank(2249025-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Benzene	< LOQ	1.000	ppm		11/29/22 15:56	11/30/22 08:46	
Butanes	< LOQ	1000	ppm		11/29/22 15:56	11/30/22 08:46	
2-Butanol	< LOQ	1000	ppm		11/29/22 15:56	11/30/22 08:46	
Cumene	< LOQ	35.00	ppm		11/29/22 15:56	11/30/22 08:46	
Cyclohexane	< LOQ	50.00	ppm		11/29/22 15:56	11/30/22 08:46	
Dichloromethane	< LOQ	50.00	ppm		11/29/22 15:56	11/30/22 08:46	
1,4-Dioxane	< LOQ	50.00	ppm		11/29/22 15:56	11/30/22 08:46	
2-Ethoxyethanol	< LOQ	80.00	ppm		11/29/22 15:56	11/30/22 08:46	
Ethyl acetate	< LOQ	1000	ppm		11/29/22 15:56	11/30/22 08:46	
Ethyl benzene	< LOQ	35.00	ppm		11/29/22 15:56	11/30/22 08:46	
Ethylene glycol	< LOQ	310.0	ppm		11/29/22 15:56	11/30/22 08:46	
Ethylene oxide	< LOQ	25.00	ppm		11/29/22 15:56	11/30/22 08:46	
Ethyl ether	< LOQ	1000	ppm		11/29/22 15:56	11/30/22 08:46	
Heptane	< LOQ	1000	ppm		11/29/22 15:56	11/30/22 08:46	
Hexanes	< LOQ	50.00	ppm		11/29/22 15:56	11/30/22 08:46	
Isopropyl acetate	< LOQ	1000	ppm		11/29/22 15:56	11/30/22 08:46	
Methanol	< LOQ	1000	ppm		11/29/22 15:56	11/30/22 08:46	
Pentanes	< LOQ	1000	ppm		11/29/22 15:56	11/30/22 08:46	
Propane	< LOQ	1000	ppm		11/29/22 15:56	11/30/22 08:46	
2-Propanol (IPA)	< LOQ	1000	ppm		11/29/22 15:56	11/30/22 08:46	
Tetrahydrofuran	< LOQ	50.00	ppm		11/29/22 15:56	11/30/22 08:46	
Toluene	< LOQ	50.00	ppm		11/29/22 15:56	11/30/22 08:46	
Xylenes	< LOQ	50.00	ppm		11/29/22 15:56	11/30/22 08:46	

LCS(2249025-BS1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Acetone	80.8	1000	ppm	60-120	11/29/22 15:56	11/29/22 17:55	
Acetonitrile	97.4	50.00	ppm	60-120	11/29/22 15:56	11/29/22 17:55	
Benzene	72.4	1.000	ppm	60-120	11/29/22 15:56	11/29/22 17:55	
Butanes	88.8	1000	ppm	60-120	11/29/22 15:56	11/29/22 17:55	
2-Butanol	91.6	1000	ppm	60-120	11/29/22 15:56	11/29/22 17:55	
Cumene	72.3	35.00	ppm	60-120	11/29/22 15:56	11/29/22 17:55	
Cyclohexane	68.1	50.00	ppm	60-120	11/29/22 15:56	11/29/22 17:55	
Dichloromethane	90.7	50.00	ppm	60-120	11/29/22 15:56	11/29/22 17:55	
1,4-Dioxane	71.6	50.00	ppm	60-120	11/29/22 15:56	11/29/22 17:55	
2-Ethoxyethanol	107	80.00	ppm	60-120	11/29/22 15:56	11/29/22 17:55	
Ethyl acetate	80.0	1000	ppm	60-120	11/29/22 15:56	11/29/22 17:55	
Ethyl benzene	73.5	35.00	ppm	60-120	11/29/22 15:56	11/29/22 17:55	
Ethylene glycol	87.7	310.0	ppm	60-120	11/29/22 15:56	11/29/22 17:55	



Eric Wendt
Chief Science Officer - 12/6/2022



Quality Control Solvent Analysis (Continued)

Batch: 2249025 - 205 (Continued)

LCS(2249025-BS1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Ethylene oxide	89.3	25.00	ppm	60-120	11/29/22 15:56	11/29/22 17:55	
Ethyl ether	78.8	1000	ppm	60-120	11/29/22 15:56	11/29/22 17:55	
Heptane	92.7	1000	ppm	60-120	11/29/22 15:56	11/29/22 17:55	
Hexanes	60.9	50.00	ppm	60-120	11/29/22 15:56	11/29/22 17:55	
Isopropyl acetate	80.0	1000	ppm	60-120	11/29/22 15:56	11/29/22 17:55	
Methanol	102	1000	ppm	60-120	11/29/22 15:56	11/29/22 17:55	
Pentanes	82.8	1000	ppm	60-120	11/29/22 15:56	11/29/22 17:55	
Propane	84.9	1000	ppm	60-120	11/29/22 15:56	11/29/22 17:55	
2-Propanol (IPA)	91.6	1000	ppm	60-120	11/29/22 15:56	11/29/22 17:55	
Tetrahydrofuran	95.9	50.00	ppm	60-120	11/29/22 15:56	11/29/22 17:55	
Toluene	70.7	50.00	ppm	60-120	11/29/22 15:56	11/29/22 17:55	



Eric Wendt
Chief Science Officer - 12/6/2022

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.



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 manually for all samples.
 - C Interference due to co-elution
 - 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 recovery accuracy in Matrix Spike.
 - TPP
 - 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



Eric Wendt
Chief Science Officer - 12/6/2022

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

HHC

 Sample ID: SA-230105-15461
 Batch: 3.12.22
 Type: In-Process Materials
 Matrix: Concentrate - Distillate
 Unit Mass (g):

 Received: 01/05/2023
 Completed: 01/17/2023


Summary

Test	Date Tested	Status
Cannabinoids	01/17/2023	Tested
Heavy Metals	01/09/2023	Tested
Microbials	01/12/2023	Tested
Mycotoxins	01/10/2023	Tested
Pesticides	01/10/2023	Tested
Residual Solvents	01/17/2023	Tested
Terpenes	01/09/2023	Tested

ND Total Δ9-THC	52.5 % (6aR,9R,10aR)-HHC	95.3 % Total Cannabinoids	Not Tested Moisture Content	Not Tested Foreign Matter	Yes Internal Standard Normalization
---------------------------	------------------------------------	-------------------------------------	---------------------------------------	-------------------------------------	---

Cannabinoids by HPLC-PDA, LC-MS/MS, and/or GC-MS/MS

Analyte	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)
CBC	0.0095	0.0284	ND	ND
CBCA	0.0181	0.0543	ND	ND
CBCV	0.006	0.018	ND	ND
CBD	0.0081	0.0242	ND	ND
CBDA	0.0043	0.013	ND	ND
CBDV	0.0061	0.0182	ND	ND
CBDVA	0.0021	0.0063	ND	ND
CBG	0.0057	0.0172	ND	ND
CBGA	0.0049	0.0147	ND	ND
CBL	0.0112	0.0335	ND	ND
CBLA	0.0124	0.0371	ND	ND
CBN	0.0056	0.0169	ND	ND
CBNA	0.006	0.0181	ND	ND
CBT	0.018	0.054	ND	ND
Δ8-THC	0.0104	0.0312	0.198	1.98
Δ9-THC	0.0076	0.0227	ND	ND
Δ9-THCA	0.0084	0.0251	ND	ND
Δ9-THCV	0.0069	0.0206	ND	ND
Δ9-THCVA	0.0062	0.0186	ND	ND
(6aR,9R,10aR)-HHC	0.0067	0.02	52.5	525
(6aR,9S,10aR)-HHC	0.0067	0.02	42.6	426
Total Δ9-THC			ND	ND
Total CBD			ND	ND
Total			95.3	953

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; RL = Reporting Limit; Δ = Delta; Total Δ9-THC = Δ9-THCA * 0.877 + Δ9-THC; Total CBD = CBDA * 0.877 + CBD;



 Generated By: Ryan Bellone
 CCO
 Date: 01/17/2023



 Tested By: Scott Caudill
 Senior Scientist
 Date: 01/17/2023

 ISO/IEC 17025:2017 Accredited
 Accreditation #108651


HHC

Sample ID: SA-230105-15461
 Batch: 3.12.22
 Type: In-Process Materials
 Matrix: Concentrate - Distillate
 Unit Mass (g):

Received: 01/05/2023
 Completed: 01/17/2023

Terpenes by GC-MS

Analyte	LOD (%)	LOQ (%)	Result (%)	Analyte	LOD (%)	LOQ (%)	Result (%)
α-Bisabolol	0.00100	0.00500	ND	Limonene	0.001	0.005	ND
(+)-Borneol	0.00100	0.00500	ND	Linalool	0.001	0.005	ND
Camphene	0.00100	0.00500	ND	β-myrcene	0.001	0.005	ND
Camphor	0.00100	0.00500	ND	Nerol	0.001	0.005	ND
3-Carene	0.00100	0.00500	ND	cis-Nerolidol	0.001	0.005	ND
β-Caryophyllene	0.00100	0.00500	ND	trans-Nerolidol	0.001	0.005	ND
Caryophyllene Oxide	0.00100	0.00500	ND	Ocimene	0.001	0.005	ND
α-Cedrene	0.00100	0.00500	ND	α-Phellandrene	0.001	0.005	ND
Cedrol	0.00100	0.00500	ND	α-Pinene	0.001	0.005	ND
Eucalyptol	0.00100	0.00500	ND	β-Pinene	0.001	0.005	ND
Fenchone	0.00100	0.00500	ND	Pulegone	0.001	0.005	ND
Fenchyl Alcohol	0.00100	0.00500	ND	Sabinene	0.001	0.005	ND
Geraniol	0.00100	0.00500	ND	Sabinene Hydrate	0.001	0.005	ND
Geranyl Acetate	0.00100	0.00500	ND	α-Terpinene	0.001	0.005	ND
Guaiol	0.00100	0.00500	ND	γ-Terpinene	0.001	0.005	ND
Hexadhydrothymol	0.00100	0.00500	ND	α-Terpineol	0.001	0.005	ND
α-Humulene	0.00100	0.00500	ND	γ-Terpineol	0.001	0.005	ND
Isoborneol	0.00100	0.00500	ND	Terpinolene	0.001	0.005	ND
Isopulegol	0.00100	0.00500	ND	Total Terpenes (%)			0.000

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; P = Pass; F = Fail; RL = Reporting Limit




Generated By: Ryan Bellone
 CCO
 Date: 01/17/2023



Tested By: Alex Morris
 Quality Assurance Manager
 Date: 01/09/2023



HHC

Sample ID: SA-230105-15461
 Batch: 3.12.22
 Type: In-Process Materials
 Matrix: Concentrate - Distillate
 Unit Mass (g):

Received: 01/05/2023
 Completed: 01/17/2023

Heavy Metals by ICP-MS

Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)
Arsenic	2	20	ND
Cadmium	1	20	ND
Lead	2	20	ND
Mercury	12	50	ND

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; P = Pass; F = Fail; RL = Reporting Limit



Generated By: Ryan Bellone
 CCO
 Date: 01/17/2023



Tested By: Kelsey Rogers
 Scientist
 Date: 01/09/2023



HHC

 Sample ID: SA-230105-15461
 Batch: 3.12.22
 Type: In-Process Materials
 Matrix: Concentrate - Distillate
 Unit Mass (g):

 Received: 01/05/2023
 Completed: 01/17/2023

Pesticides by LC-MS/MS and GC-MS/MS

Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)
Acephate	30	100	ND	Hexythiazox	30	100	ND
Acequinocyl	30	100	ND	Imazalil	30	100	ND
Acetamiprid	30	100	ND	Imidacloprid	30	100	ND
Aldicarb	30	100	ND	Kresoxim methyl	30	100	ND
Azoxystrobin	30	100	ND	Malathion	30	100	ND
Bifenazate	30	100	ND	Metalaxyl	30	100	ND
Bifenthrin	30	100	ND	Methiocarb	30	100	ND
Boscalid	30	100	ND	Methomyl	30	100	ND
Carbaryl	30	100	ND	Mevinphos	30	100	ND
Carbofuran	30	100	ND	Myclobutanil	30	100	ND
Chloranthraniliprole	30	100	ND	Naled	30	100	ND
Chlorfenapyr	30	100	ND	Oxamyl	30	100	ND
Chlorpyrifos	30	100	ND	Paclobutrazol	30	100	ND
Clofentezine	30	100	ND	Permethrin	30	100	ND
Coumaphos	30	100	ND	Phosmet	30	100	ND
Daminozide	30	100	ND	Piperonyl Butoxide	30	100	ND
Diazinon	30	100	ND	Prallethrin	30	100	ND
Dichlorvos	30	100	ND	Propiconazole	30	100	ND
Dimethoate	30	100	ND	Propoxur	30	100	ND
Dimethomorph	30	100	ND	Pyrethrins	30	100	ND
Ethoprophos	30	100	ND	Pyridaben	30	100	ND
Etofenprox	30	100	ND	Spinetoram	30	100	ND
Etoazole	30	100	ND	Spinosad	30	100	ND
Fenhexamid	30	100	ND	Spiromesifen	30	100	ND
Fenoxycarb	30	100	ND	Spirotetramat	30	100	ND
Fenpyroximate	30	100	ND	Spiroxamine	30	100	ND
Fipronil	30	100	ND	Tebuconazole	30	100	ND
Fonicamid	30	100	ND	Thiacloprid	30	100	ND
Fludioxonil	30	100	ND	Thiamethoxam	30	100	ND
				Trifloxystrobin	30	100	ND

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; P = Pass; F = Fail; RL = Reporting Limit



 Generated By: Ryan Bellone
 CCO

Date: 01/17/2023



Tested By: Madeline Mitchell

Date: 01/10/2023



HHC

Sample ID: SA-230105-15461
 Batch: 3.12.22
 Type: In-Process Materials
 Matrix: Concentrate - Distillate
 Unit Mass (g):

Received: 01/05/2023
 Completed: 01/17/2023

Mycotoxins by LC-MS/MS

Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)
B1	1	5	ND
B2	1	5	ND
G1	1	5	ND
G2	1	5	ND

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; P = Pass; F = Fail; RL = Reporting Limit



Generated By: Ryan Bellone
 CCO

Date: 01/17/2023



Tested By: Madeline Mitchell

Date: 01/10/2023



HHC

Sample ID: SA-230105-15461
 Batch: 3.12.22
 Type: In-Process Materials
 Matrix: Concentrate - Distillate
 Unit Mass (g):

Received: 01/05/2023
 Completed: 01/17/2023

Microbials by PCR and Plating

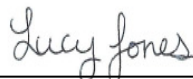
Analyte	LOD (CFU/g)	Result (CFU/g)
Total aerobic count	1	ND
Total coliforms	1	ND
Generic E. coli	1	ND
Salmonella spp.	1	ND
Shiga-toxin producing E. coli (STEC)	1	ND

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; CFU = Colony Forming Units; P = Pass; F = Fail; RL = Reporting Limit



Generated By: Ryan Bellone
 CCO

Date: 01/17/2023



Tested By: Lucy Jones
 Scientist

Date: 01/12/2023



HHC

 Sample ID: SA-230105-15461
 Batch: 3.12.22
 Type: In-Process Materials
 Matrix: Concentrate - Distillate
 Unit Mass (g):

 Received: 01/05/2023
 Completed: 01/17/2023

Residual Solvents by HS-GC-MS/MS

Analyte	LOD (ppm)	LOQ (ppm)	Result (ppm)	Analyte	LOD (ppm)	LOQ (ppm)	Result (ppm)
Acetone	167	500	ND	Ethylene Glycol	21	62	ND
Acetonitrile	14	41	ND	Ethylene Oxide	0.5	1	ND
Benzene	0.5	1	ND	Heptane	167	500	ND
Butane	167	500	ND	n-Hexane	10	29	ND
1-Butanol	167	500	ND	Isobutane	167	500	ND
2-Butanol	167	500	ND	Isopropyl Acetate	167	500	ND
2-Butanone	167	500	ND	Isopropyl Alcohol	167	500	ND
Chloroform	2	6	ND	Isopropylbenzene	167	500	ND
Cyclohexane	129	388	ND	Methanol	100	300	ND
1,2-Dichloroethane	0.5	1	ND	2-Methylbutane	10	29	ND
1,2-Dimethoxyethane	4	10	ND	Methylene Chloride	20	60	ND
Dimethyl Sulfoxide	167	500	ND	2-Methylpentane	10	29	ND
N,N-Dimethylacetamide	37	109	ND	3-Methylpentane	10	29	ND
2,2-Dimethylbutane	10	29	ND	n-Pentane	167	500	ND
2,3-Dimethylbutane	10	29	ND	1-Pentanol	167	500	ND
N,N-Dimethylformamide	30	88	ND	n-Propane	167	500	ND
2,2-Dimethylpropane	167	500	ND	1-Propanol	167	500	ND
1,4-Dioxane	13	38	ND	Pyridine	7	20	ND
Ethanol	167	500	ND	Tetrahydrofuran	24	72	ND
2-Ethoxyethanol	6	16	ND	Toluene	30	89	ND
Ethyl Acetate	167	500	ND	Trichloroethylene	3	8	ND
Ethyl Ether	167	500	ND	Tetramethylene Sulfone	6	16	ND
Ethylbenzene	3	7	ND	Xylenes (o-, m-, and p-)	73	217	ND

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; P = Pass; F = Fail; RL = Reporting Limit



 Generated By: Ryan Bellone
 CCO
 Date: 01/17/2023



 Tested By: Scott Caudill
 Senior Scientist
 Date: 01/17/2023
