



G1 Twilight 1500/750

Sample ID: G3H0098-09 Matrix: Hemp Extracts & Concentrates

Test ID: 5024167

Source ID:

Date Sampled: 08/04/23

Date Accepted: 08/04/23

JAWCBD Inc.
orders@mulecbd.com

Primary and Duplicate Results at a Glance

	Averaged	Primary	Duplicate	%RPD (10% Action Level)
Total THC:	0.0716 %	0.0713 %	0.0719 %	0.838 % PASS
Total CBD:	5.090 %	5.123 %	5.057 %	1.3 % PASS
Pesticides:	PASS	PASS	PASS	
Solvents:	PASS	PASS	PASS	
Microbials:	PASS	PASS	PASS	
Metals:	PASS	PASS	PASS	
Mycotoxins:	PASS	PASS	PASS	



Eric Wendt
Chief Science Officer - 8/10/2023



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Potency Analysis by HPLC

Date/Time Extracted: 08/05/23 10:18 Analysis Method/SOP: 215 Batch Identification: 2331098

Cannabinoids	LOQ (%)	% by Wt.	mg/g	Cannabinoids Profile								
Total THC	0.000009	0.0713	0.713	<table border="1"> <tr><td>delta 9-THC</td><td>0.1</td></tr> <tr><td>CBD</td><td>5.1</td></tr> <tr><td>CBN</td><td>2.3</td></tr> <tr><td>Total</td><td>7.5</td></tr> </table>	delta 9-THC	0.1	CBD	5.1	CBN	2.3	Total	7.5
delta 9-THC	0.1											
CBD	5.1											
CBN	2.3											
Total	7.5											
Total CBD	0.0082	5.123	51.23									
THCA	0.000009	< LOQ	< LOQ									
delta 9-THC	0.000009	0.0713	0.713									
delta 8-THC	0.0177	< LOQ	< LOQ									
THCV	0.0200	< LOQ	< LOQ									
THCVA	0.0074	< LOQ	< LOQ									
CBD	0.00009	5.123	51.23									
CBDA	0.00009	< LOQ	< LOQ									
CBDV	0.0198	< LOQ	< LOQ									
CBDVA	0.0065	< LOQ	< LOQ									
CBN	0.0118	2.293	22.93									
CBG	0.0031	< LOQ	< LOQ									
CBGA	0.0031	< LOQ	< LOQ									
CBC	0.0035	< LOQ	< LOQ									

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 by LCMSMS and GCMSMS

Date/Time Extracted: 08/05/23 11:12

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		Acetamidrid	< 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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Source ID:

Date Sampled: 08/04/23 Date Accepted: 08/04/23

JAWCBD Inc.
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Residual Solvents by GCMS-HS

Date/Time Extracted: 08/05/23 09:13

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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Source ID:

Date Sampled: 08/04/23 Date Accepted: 08/04/23

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Mycotoxins by LCMSMS

Date/Time Extracted: 08/05/23 11:14

Analysis Method/SOP: Mycotoxins

Analyte	Result	Action Level	LOD	LOQ	Units
aflatoxin B1	< LOQ		5.00	6.25	ug/kg
aflatoxin B2	< LOQ		5.00	6.25	ug/kg
aflatoxin G1	< LOQ		5.00	6.25	ug/kg
aflatoxin G2	< LOQ		5.00	6.25	ug/kg
ochratoxin A	< LOQ	20	5.00	6.25	ug/kg
Total Aflatoxins	< LOQ	20	5.00	6.25	ug/kg

<LOQ - Results below the Limit of Quantitation
Results above the Action Level fail state testing requirements and will be highlighted **Red**.

Microbials by PCR

Date/Time Extracted: 08/07/23 09:05

Analysis Method/SOP: Microbials

Analyte	Result	Action Level	LOD	LOQ	Units	
Escherichia Coli	ND	1	0.00	0.00	cfu/g	No detection in 1 gram
Salmonella	ND	1	0.00	0.00	cfu/g	No detection in 1 gram
Total Aspergillus	ND	1	0.00	0.00	cfu/g	No detection in 1 gram

Metals by ICPMS

Date/Time Extracted: 08/04/23 17:29

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 Potency

Batch: 2331098 - 215-Concentrates

Blank(2331098-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	< LOQ	0.0005	%		08/05/23 10:18	08/05/23 18:10	
delta 9-THC	< LOQ	0.0005	%		08/05/23 10:18	08/05/23 18:10	
delta 8-THC	< LOQ	0.0934	%		08/05/23 10:18	08/05/23 18:10	
THCV	< LOQ	0.1052	%		08/05/23 10:18	08/05/23 18:10	
THCVA	< LOQ	0.0392	%		08/05/23 10:18	08/05/23 18:10	
CBD	< LOQ	0.0005	%		08/05/23 10:18	08/05/23 18:10	
CBDA	< LOQ	0.0005	%		08/05/23 10:18	08/05/23 18:10	
CBDV	< LOQ	0.1040	%		08/05/23 10:18	08/05/23 18:10	
CBDVA	< LOQ	0.0341	%		08/05/23 10:18	08/05/23 18:10	
CBN	< LOQ	0.0622	%		08/05/23 10:18	08/05/23 18:10	
CBG	< LOQ	0.0164	%		08/05/23 10:18	08/05/23 18:10	
CBGA	< LOQ	0.0164	%		08/05/23 10:18	08/05/23 18:10	
CBC	< LOQ	0.0186	%		08/05/23 10:18	08/05/23 18:10	

Reference(2331098-SRM1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	108	0.00024	%	90-110	08/05/23 10:18	08/05/23 18:33	
delta 9-THC	102	0.00024	%	90-110	08/05/23 10:18	08/05/23 18:33	
delta 8-THC	105	0.0457	%	90-110	08/05/23 10:18	08/05/23 18:33	
CBD	105	0.00024	%	90-110	08/05/23 10:18	08/05/23 18:33	
CBDA	100	0.00024	%	90-110	08/05/23 10:18	08/05/23 18:33	

Pesticide Analysis

Batch: 2331099 - 202

Blank(2331099-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Abamectin	< LOQ	0.1	ppm		08/05/23 11:12	08/06/23 23:22	
Acephate	< LOQ	0.1	ppm		08/05/23 11:12	08/06/23 23:22	
Acequinocyl	< LOQ	0.5	ppm		08/05/23 11:12	08/06/23 23:22	
Acetamiprid	< LOQ	0.1	ppm		08/05/23 11:12	08/06/23 23:22	
Aldicarb	< LOQ	0.1	ppm		08/05/23 11:12	08/06/23 23:22	
Azoxystrobin	< LOQ	0.1	ppm		08/05/23 11:12	08/06/23 23:22	
Bifenazate	< LOQ	0.1	ppm		08/05/23 11:12	08/06/23 23:22	
Bifenthrin	< LOQ	0.1	ppm		08/05/23 11:12	08/06/23 23:22	
Boscalid	< LOQ	0.1	ppm		08/05/23 11:12	08/06/23 14:24	
Carbaryl	< LOQ	0.1	ppm		08/05/23 11:12	08/06/23 23:22	
Carbofuran	< LOQ	0.1	ppm		08/05/23 11:12	08/06/23 23:22	
Chlorantraniliprole	< LOQ	0.1	ppm		08/05/23 11:12	08/06/23 23:22	
Chlorfenapyr	< LOQ	0.1	ppm		08/05/23 11:12	08/06/23 14:24	



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Quality Control Pesticide Analysis (Continued)

Batch: 2331099 - 202 (Continued)

Blank(2331099-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Chlorpyrifos	< LOQ	0.1	ppm		08/05/23 11:12	08/06/23 23:22	
Clofentezine	< LOQ	0.1	ppm		08/05/23 11:12	08/06/23 23:22	
Daminozide	< LOQ	0.5	ppm		08/05/23 11:12	08/06/23 23:22	
Cyfluthrin	< LOQ	0.5	ppm		08/05/23 11:12	08/06/23 14:24	
Diazinon	< LOQ	0.1	ppm		08/05/23 11:12	08/06/23 23:22	
Cypermethrin	< LOQ	0.5	ppm		08/05/23 11:12	08/06/23 14:24	
Dimethoate	< LOQ	0.1	ppm		08/05/23 11:12	08/06/23 23:22	
Ethoprophos	< LOQ	0.1	ppm		08/05/23 11:12	08/06/23 23:22	
Etofenprox	< LOQ	0.1	ppm		08/05/23 11:12	08/06/23 23:22	
Etoxazole	< LOQ	0.1	ppm		08/05/23 11:12	08/06/23 23:22	
Fenoxycarb	< LOQ	0.1	ppm		08/05/23 11:12	08/06/23 23:22	
Fenpyroximate	< LOQ	0.1	ppm		08/05/23 11:12	08/06/23 23:22	
Flonicamid	< LOQ	0.1	ppm		08/05/23 11:12	08/06/23 23:22	
Hexythiazox	< LOQ	0.1	ppm		08/05/23 11:12	08/06/23 23:22	
Imazalil	< LOQ	0.1	ppm		08/05/23 11:12	08/06/23 23:22	
Fipronil	< LOQ	0.1	ppm		08/05/23 11:12	08/06/23 14:24	
Imidacloprid	< LOQ	0.1	ppm		08/05/23 11:12	08/06/23 23:22	
Fludioxonil	< LOQ	0.1	ppm		08/05/23 11:12	08/06/23 14:24	
Metalaxyl	< LOQ	0.1	ppm		08/05/23 11:12	08/06/23 23:22	
Methiocarb	< LOQ	0.1	ppm		08/05/23 11:12	08/06/23 23:22	
Methomyl	< LOQ	0.1	ppm		08/05/23 11:12	08/06/23 23:22	
Myclobutanil	< LOQ	0.1	ppm		08/05/23 11:12	08/06/23 23:22	
Kresoxim-methyl	< LOQ	0.1	ppm		08/05/23 11:12	08/06/23 14:24	
Naled	< LOQ	0.1	ppm		08/05/23 11:12	08/06/23 23:22	
Malathion	< LOQ	0.1	ppm		08/05/23 11:12	08/06/23 14:24	
Oxamyl	< LOQ	0.1	ppm		08/05/23 11:12	08/06/23 23:22	
Paclobutrazol	< LOQ	0.1	ppm		08/05/23 11:12	08/06/23 23:22	
Permethrins	< LOQ	0.1	ppm		08/05/23 11:12	08/06/23 23:22	
Methyl parathion	< LOQ	0.1	ppm		08/05/23 11:12	08/06/23 14:24	
MGK-264	< LOQ	0.1	ppm		08/05/23 11:12	08/06/23 14:24	
Phosmet	< LOQ	0.1	ppm		08/05/23 11:12	08/06/23 23:22	
Piperonyl butoxide	< LOQ	0.9	ppm		08/05/23 11:12	08/06/23 23:22	
Prallethrin	< LOQ	0.1	ppm		08/05/23 11:12	08/06/23 23:22	
Propoxur	< LOQ	0.1	ppm		08/05/23 11:12	08/06/23 23:22	
Pyrethrins	< LOQ	0.5	ppm		08/05/23 11:12	08/06/23 23:22	
Pyridaben	< LOQ	0.1	ppm		08/05/23 11:12	08/06/23 23:22	
Propiconazole	< LOQ	0.1	ppm		08/05/23 11:12	08/06/23 14:24	
Spinosad	< LOQ	0.1	ppm		08/05/23 11:12	08/06/23 23:22	



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Quality Control Pesticide Analysis (Continued)

Batch: 2331099 - 202 (Continued)

Blank(2331099-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Spiromesifen	< LOQ	0.1	ppm		08/05/23 11:12	08/06/23 23:22	
Spirotetramat	< LOQ	0.1	ppm		08/05/23 11:12	08/06/23 23:22	
Spiroxamine	< LOQ	0.1	ppm		08/05/23 11:12	08/06/23 23:22	
Tebuconazole	< LOQ	0.1	ppm		08/05/23 11:12	08/06/23 23:22	
Thiacloprid	< LOQ	0.1	ppm		08/05/23 11:12	08/06/23 23:22	
Thiamethoxam	< LOQ	0.1	ppm		08/05/23 11:12	08/06/23 23:22	
Trifloxystrobin	< LOQ	0.1	ppm		08/05/23 11:12	08/06/23 23:22	
DDVP (Dichlorvos)	< LOQ	0.1	ppm		08/05/23 11:12	08/06/23 23:22	

LCS(2331099-BS1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Abamectin	110	0.1	ppm	50-150	08/05/23 11:12	08/06/23 23:45	
Acephate	97.1	0.1	ppm	60-120	08/05/23 11:12	08/06/23 23:45	
Acequinocyl	146	0.5	ppm	40-160	08/05/23 11:12	08/06/23 23:45	
Acetamiprid	114	0.1	ppm	60-120	08/05/23 11:12	08/06/23 23:45	
Aldicarb	110	0.1	ppm	60-120	08/05/23 11:12	08/06/23 23:45	
Azoxystrobin	108	0.1	ppm	60-120	08/05/23 11:12	08/06/23 23:45	
Bifenazate	113	0.1	ppm	60-120	08/05/23 11:12	08/06/23 23:45	
Bifenthrin	157	0.1	ppm	50-150	08/05/23 11:12	08/06/23 23:45	BSH
Boscalid	74.9	0.1	ppm	60-120	08/05/23 11:12	08/06/23 14:46	
Carbaryl	104	0.1	ppm	60-120	08/05/23 11:12	08/06/23 23:45	
Carbofuran	109	0.1	ppm	60-120	08/05/23 11:12	08/06/23 23:45	
Chlorantraniliprole	126	0.1	ppm	60-120	08/05/23 11:12	08/06/23 23:45	BSH
Chlorfenapyr	91.2	0.1	ppm	60-120	08/05/23 11:12	08/06/23 14:46	
Chlorpyrifos	158	0.1	ppm	60-120	08/05/23 11:12	08/06/23 23:45	BSH
Clofentezine	117	0.1	ppm	60-120	08/05/23 11:12	08/06/23 23:45	
Daminozide	183	0.5	ppm	60-120	08/05/23 11:12	08/06/23 23:45	BSH
Cyfluthrin	107	0.5	ppm	50-150	08/05/23 11:12	08/06/23 14:46	
Diazinon	106	0.1	ppm	60-120	08/05/23 11:12	08/06/23 23:45	
Cypermethrin	100	0.5	ppm	50-150	08/05/23 11:12	08/06/23 14:46	
Dimethoate	99.4	0.1	ppm	60-120	08/05/23 11:12	08/06/23 23:45	
Ethoprophos	106	0.1	ppm	60-120	08/05/23 11:12	08/06/23 23:45	
Etofenprox	136	0.1	ppm	50-150	08/05/23 11:12	08/06/23 23:45	
Etoxazole	144	0.1	ppm	60-120	08/05/23 11:12	08/06/23 23:45	BSH
Fenoxycarb	112	0.1	ppm	60-120	08/05/23 11:12	08/06/23 23:45	
Fenpyroximate	132	0.1	ppm	60-120	08/05/23 11:12	08/06/23 23:45	BSH
Flonicamid	108	0.1	ppm	60-120	08/05/23 11:12	08/06/23 23:45	
Hexythiazox	189	0.1	ppm	60-120	08/05/23 11:12	08/06/23 23:45	BSH
Imazalil	147	0.1	ppm	60-120	08/05/23 11:12	08/06/23 23:45	BSH



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Quality Control Pesticide Analysis (Continued)

Batch: 2331099 - 202 (Continued)

LCS(2331099-BS1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Fipronil	91.3	0.1	ppm	60-120	08/05/23 11:12	08/06/23 14:46	
Imidacloprid	118	0.1	ppm	60-120	08/05/23 11:12	08/06/23 23:45	
Fludioxonil	85.7	0.1	ppm	50-150	08/05/23 11:12	08/06/23 14:46	
Metalaxyl	109	0.1	ppm	60-120	08/05/23 11:12	08/06/23 23:45	
Methiocarb	104	0.1	ppm	60-120	08/05/23 11:12	08/06/23 23:45	
Methomyl	107	0.1	ppm	60-120	08/05/23 11:12	08/06/23 23:45	
Myclobutanil	116	0.1	ppm	60-120	08/05/23 11:12	08/06/23 23:45	
Kresoxim-methyl	85.1	0.1	ppm	60-120	08/05/23 11:12	08/06/23 14:46	
Naled	104	0.1	ppm	50-150	08/05/23 11:12	08/06/23 23:45	
Malathion	95.8	0.1	ppm	60-120	08/05/23 11:12	08/06/23 14:46	
Oxamyl	96.7	0.1	ppm	60-120	08/05/23 11:12	08/06/23 23:45	
Paclobutrazol	114	0.1	ppm	60-120	08/05/23 11:12	08/06/23 23:45	
Permethrins	116	0.1	ppm	50-150	08/05/23 11:12	08/06/23 23:45	
Methyl parathion	75.4	0.1	ppm	50-150	08/05/23 11:12	08/06/23 14:46	
MGK-264	89.5	0.1	ppm	50-150	08/05/23 11:12	08/06/23 14:46	
Phosmet	109	0.1	ppm	50-150	08/05/23 11:12	08/06/23 23:45	
Piperonyl butoxide	345	0.9	ppm	60-120	08/05/23 11:12	08/06/23 23:45	BSH
Prallethrin	111	0.1	ppm	60-120	08/05/23 11:12	08/06/23 23:45	
Propoxur	108	0.1	ppm	60-120	08/05/23 11:12	08/06/23 23:45	
Pyrethrins	99.0	0.5	ppm	60-120	08/05/23 11:12	08/06/23 23:45	
Pyridaben	119	0.1	ppm	50-150	08/05/23 11:12	08/06/23 23:45	
Propiconazole	73.0	0.1	ppm	60-120	08/05/23 11:12	08/06/23 14:46	
Spinosad	95.9	0.1	ppm	50-150	08/05/23 11:12	08/06/23 23:45	
Spiromesifen	137	0.1	ppm	60-120	08/05/23 11:12	08/06/23 23:45	BSH
Spirotetramat	113	0.1	ppm	60-120	08/05/23 11:12	08/06/23 23:45	
Spiroxamine	110	0.1	ppm	60-120	08/05/23 11:12	08/06/23 23:45	
Tebuconazole	118	0.1	ppm	60-120	08/05/23 11:12	08/06/23 23:45	
Thiacloprid	103	0.1	ppm	60-120	08/05/23 11:12	08/06/23 23:45	
Thiamethoxam	102	0.1	ppm	60-120	08/05/23 11:12	08/06/23 23:45	
Trifloxystrobin	110	0.1	ppm	60-120	08/05/23 11:12	08/06/23 23:45	
DDVP (Dichlorvos)	102	0.1	ppm	60-120	08/05/23 11:12	08/06/23 23:45	

Solvent Analysis

Batch: 2331094 - 205

Blank(2331094-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Acetone	< LOQ	1000	ppm		08/05/23 09:13	08/07/23 10:35	
Acetonitrile	< LOQ	50.00	ppm		08/05/23 09:13	08/07/23 10:35	



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Quality Control Solvent Analysis (Continued)

Batch: 2331094 - 205 (Continued)

Blank(2331094-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Benzene	< LOQ	1.000	ppm		08/05/23 09:13	08/07/23 10:35	
Butanes	< LOQ	1000	ppm		08/05/23 09:13	08/07/23 10:35	
2-Butanol	< LOQ	1000	ppm		08/05/23 09:13	08/07/23 10:35	
Cumene	< LOQ	35.00	ppm		08/05/23 09:13	08/07/23 10:35	
Cyclohexane	< LOQ	50.00	ppm		08/05/23 09:13	08/07/23 10:35	
Dichloromethane	< LOQ	50.00	ppm		08/05/23 09:13	08/07/23 10:35	
1,4-Dioxane	< LOQ	50.00	ppm		08/05/23 09:13	08/07/23 10:35	
2-Ethoxyethanol	< LOQ	80.00	ppm		08/05/23 09:13	08/07/23 10:35	
Ethyl acetate	< LOQ	1000	ppm		08/05/23 09:13	08/07/23 10:35	
Ethyl benzene	< LOQ	35.00	ppm		08/05/23 09:13	08/07/23 10:35	
Ethylene glycol	< LOQ	310.0	ppm		08/05/23 09:13	08/07/23 10:35	
Ethylene oxide	< LOQ	25.00	ppm		08/05/23 09:13	08/07/23 10:35	
Ethyl ether	< LOQ	1000	ppm		08/05/23 09:13	08/07/23 10:35	
Heptane	< LOQ	1000	ppm		08/05/23 09:13	08/07/23 10:35	
Hexanes	< LOQ	50.00	ppm		08/05/23 09:13	08/07/23 10:35	
Isopropyl acetate	< LOQ	1000	ppm		08/05/23 09:13	08/07/23 10:35	
Methanol	< LOQ	1000	ppm		08/05/23 09:13	08/07/23 10:35	
Pentanes	< LOQ	1000	ppm		08/05/23 09:13	08/07/23 10:35	
Propane	< LOQ	1000	ppm		08/05/23 09:13	08/07/23 10:35	
2-Propanol (IPA)	< LOQ	1000	ppm		08/05/23 09:13	08/07/23 10:35	
Tetrahydrofuran	< LOQ	50.00	ppm		08/05/23 09:13	08/07/23 10:35	
Toluene	< LOQ	50.00	ppm		08/05/23 09:13	08/07/23 10:35	
Xylenes	< LOQ	50.00	ppm		08/05/23 09:13	08/07/23 10:35	

LCS(2331094-BS1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Acetone	82.3	1000	ppm	60-120	08/05/23 09:13	08/05/23 22:10	
Acetonitrile	75.1	50.00	ppm	60-120	08/05/23 09:13	08/05/23 22:10	
Benzene	79.9	1.000	ppm	60-120	08/05/23 09:13	08/05/23 22:10	
Butanes	85.9	1000	ppm	60-120	08/05/23 09:13	08/05/23 22:10	
2-Butanol	76.6	1000	ppm	60-120	08/05/23 09:13	08/05/23 22:10	
Cumene	64.9	35.00	ppm	60-120	08/05/23 09:13	08/05/23 22:10	
Cyclohexane	86.9	50.00	ppm	60-120	08/05/23 09:13	08/05/23 22:10	
Dichloromethane	79.6	50.00	ppm	60-120	08/05/23 09:13	08/05/23 22:10	
1,4-Dioxane	74.1	50.00	ppm	60-120	08/05/23 09:13	08/05/23 22:10	
2-Ethoxyethanol	62.2	80.00	ppm	60-120	08/05/23 09:13	08/05/23 22:10	
Ethyl acetate	81.3	1000	ppm	60-120	08/05/23 09:13	08/05/23 22:10	
Ethyl benzene	75.4	35.00	ppm	60-120	08/05/23 09:13	08/05/23 22:10	
Ethylene glycol	68.5	310.0	ppm	60-120	08/05/23 09:13	08/05/23 22:10	BSL



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Quality Control Solvent Analysis (Continued)

Batch: 2331094 - 205 (Continued)

LCS(2331094-BS1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Ethylene oxide	83.0	25.00	ppm	60-120	08/05/23 09:13	08/05/23 22:10	
Ethyl ether	84.4	1000	ppm	60-120	08/05/23 09:13	08/05/23 22:10	
Heptane	82.6	1000	ppm	60-120	08/05/23 09:13	08/05/23 22:10	
Hexanes	84.7	50.00	ppm	60-120	08/05/23 09:13	08/05/23 22:10	
Isopropyl acetate	79.7	1000	ppm	60-120	08/05/23 09:13	08/05/23 22:10	
Methanol	71.6	1000	ppm	60-120	08/05/23 09:13	08/05/23 22:10	
Pentanes	85.9	1000	ppm	60-120	08/05/23 09:13	08/05/23 22:10	
Propane	90.4	1000	ppm	60-120	08/05/23 09:13	08/05/23 22:10	
2-Propanol (IPA)	78.0	1000	ppm	60-120	08/05/23 09:13	08/05/23 22:10	
Tetrahydrofuran	78.5	50.00	ppm	60-120	08/05/23 09:13	08/05/23 22:10	
Toluene	77.0	50.00	ppm	60-120	08/05/23 09:13	08/05/23 22:10	

Metals

Batch: 2331093 - 217

Blank(2331093-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Cadmium	< LOQ	0.08	ug/g		08/04/23 17:29	08/05/23 16:18	
Lead	< LOQ	0.08	ug/g		08/04/23 17:29	08/05/23 16:18	
Arsenic	< LOQ	0.08	ug/g		08/04/23 17:29	08/05/23 16:18	
Mercury	< LOQ	0.04	ug/g		08/04/23 17:29	08/05/23 16:18	

LCS(2331093-BS1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Cadmium	93.3	0.08	ug/g	80-115	08/04/23 17:29	08/05/23 16:20	
Lead	104	0.08	ug/g	80-115	08/04/23 17:29	08/05/23 16:20	
Arsenic	95.9	0.08	ug/g	80-115	08/04/23 17:29	08/05/23 16:20	
Mercury	106	0.04	ug/g	80-115	08/04/23 17:29	08/05/23 16:20	

Batch: 2331100 - 202

Blank(2331100-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
aflatoxin B1	< LOQ	6.25	ug/kg		08/05/23 11:14	08/08/23 12:27	
aflatoxin B2	< LOQ	6.25	ug/kg		08/05/23 11:14	08/08/23 12:27	
aflatoxin G1	< LOQ	6.25	ug/kg		08/05/23 11:14	08/08/23 12:27	
aflatoxin G2	< LOQ	6.25	ug/kg		08/05/23 11:14	08/08/23 12:27	
ochratoxin A	< LOQ	6.25	ug/kg		08/05/23 11:14	08/08/23 12:27	

LCS(2331100-BS1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
aflatoxin B1	89.0	6.25	ug/kg	60-120	08/05/23 11:14	08/08/23 12:38	
aflatoxin B2	101	6.25	ug/kg	60-120	08/05/23 11:14	08/08/23 12:38	



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Quality Control Mycotoxins (Continued)

Batch: 2331100 - 202 (Continued)

LCS(2331100-BS1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
aflatoxin G1	106	6.25	ug/kg	60-120	08/05/23 11:14	08/08/23 12:38	
aflatoxin G2	89.2	6.25	ug/kg	60-120	08/05/23 11:14	08/08/23 12:38	
ochratoxin A	72.8	6.25	ug/kg	60-120	08/05/23 11:14	08/08/23 12:38	

Batch: 2332001 - Microbials

Blank(2332001-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Salmonella	ND	0.00	cfu/g		08/07/23 09:05	08/08/23 14:55	
Total Aspergillus	ND	0.00	cfu/g		08/07/23 09:05	08/08/23 14:55	
Escherichia Coli	ND	0.00	cfu/g		08/07/23 09:05	08/08/23 14:55	

LCS(2332001-BS1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Salmonella	100		cfu/g	99-101	08/07/23 09:05	08/08/23 14:55	
Total Aspergillus	100		cfu/g	99-101	08/07/23 09:05	08/08/23 14:55	
Escherichia Coli	100		cfu/g	99-101	08/07/23 09:05	08/08/23 14:55	

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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 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 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



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