



TWILIGHT 3000 G1

Sample ID: G3G0046-07 Matrix: Hemp Products

Test ID: 1A401050004D0D1000000026

Source ID: 1A401050004D0D1000000017

Date Sampled: 07/06/23 Date Accepted: 07/06/23

JAWCBD Inc.
orders@mulecbd.com

Primary and Duplicate Results at a Glance

	Averaged	Primary	Duplicate	%RPD (10% Action Level)
Total THC:	0.1766 %	0.1775 %	0.1757 %	1.02 % PASS
Total CBD:	9.458 %	9.510 %	9.406 %	1.1 % PASS
CBN:	4.430 %	4.454 %	4.405 %	
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 - 7/10/2023

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Test ID: 1A401050004D0D1000000026

Source ID: 1A401050004D0D1000000017

Date Sampled: 07/06/23 Date Accepted: 07/06/23

JAWCBD Inc.
orders@mulecbd.com

Potency Analysis by HPLC

Date/Time Extracted: 07/07/23 12:09

Analysis Method/SOP: 215

Batch Identification: 2327055

Cannabinoids	LOQ (%)	mg/g	Cannabinoids Profile	
Total THC	0.00094	1.775		
Total CBD	0.0094	95.1		
THCA	0.00094	< LOQ		
delta 9-THC	0.00094	1.775		
delta 8-THC	0.0362	< LOQ		
THCV	0.0283	< LOQ		
THCVA	0.0423	< LOQ		
CBD	0.0094	95.1		
CBDA	0.0094	< LOQ		
CBDV	0.0291	0.614		
CBDVA	0.0399	< LOQ		
CBN	0.2611	44.54		
CBG	0.0304	3.493		
CBGA	0.0403	< LOQ		
CBC	0.0381	< 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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Test ID: 1A401050004D0D1000000026

Source ID: 1A401050004D0D1000000017

Date Sampled: 07/06/23 Date Accepted: 07/06/23

JAWCBD Inc.
orders@mulecbd.com

Pesticide Analysis by LCMSMS and GCMSMS

Date/Time Extracted: 07/07/23 10:40

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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Chief Science Officer - 7/10/2023

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Source ID: 1A401050004D0D1000000017

Date Sampled: 07/06/23 Date Accepted: 07/06/23

JAWCBD Inc.
orders@mulecbd.com

Residual Solvents by GCMS-HS

Date/Time Extracted: 07/07/23 10:37

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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Test ID: 1A401050004D0D1000000026
Source ID: 1A401050004D0D1000000017
Date Sampled: 07/06/23 Date Accepted: 07/06/23

JAWCBD Inc.
orders@mulecbd.com

Mycotoxins by LCMSMS

Date/Time Extracted: 07/07/23 10:36

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: 07/07/23 09:42

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: 07/07/23 11:40

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: 2327055 - 215-Products

Blank(2327055-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	< LOQ	0.0074	%		07/07/23 12:09	07/07/23 17:38	
delta 9-THC	< LOQ	0.0074	%		07/07/23 12:09	07/07/23 17:38	
delta 8-THC	< LOQ	0.2834	%		07/07/23 12:09	07/07/23 17:38	
THCV	< LOQ	0.2211	%		07/07/23 12:09	07/07/23 17:38	
THCVA	< LOQ	0.3309	%		07/07/23 12:09	07/07/23 17:38	
CBD	< LOQ	0.0074	%		07/07/23 12:09	07/07/23 17:38	
CBDA	< LOQ	0.0074	%		07/07/23 12:09	07/07/23 17:38	
CBDV	< LOQ	0.2275	%		07/07/23 12:09	07/07/23 17:38	
CBDVA	< LOQ	0.3125	%		07/07/23 12:09	07/07/23 17:38	
CBN	< LOQ	0.2043	%		07/07/23 12:09	07/07/23 17:38	
CBG	< LOQ	0.2377	%		07/07/23 12:09	07/07/23 17:38	
CBGA	< LOQ	0.3150	%		07/07/23 12:09	07/07/23 17:38	
CBC	< LOQ	0.2982	%		07/07/23 12:09	07/07/23 17:38	

Reference(2327055-SRM1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	91.3	0.0100	%	90-110	07/07/23 12:09	07/07/23 18:01	
delta 9-THC	105	0.0100	%	90-110	07/07/23 12:09	07/07/23 18:01	
delta 8-THC	100	0.3821	%	90-110	07/07/23 12:09	07/07/23 18:01	
CBD	101	0.0100	%	90-110	07/07/23 12:09	07/07/23 18:01	
CBDA	100	0.0100	%	90-110	07/07/23 12:09	07/07/23 18:01	

Pesticide Analysis

Batch: 2327049 - 202

Blank(2327049-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Abamectin	< LOQ	0.1	ppm		07/07/23 10:40	07/08/23 04:26	
Acephate	< LOQ	0.1	ppm		07/07/23 10:40	07/08/23 04:26	
Acequinocyl	< LOQ	0.5	ppm		07/07/23 10:40	07/08/23 04:26	
Acetamiprid	< LOQ	0.1	ppm		07/07/23 10:40	07/08/23 04:26	
Aldicarb	< LOQ	0.1	ppm		07/07/23 10:40	07/08/23 04:26	
Azoxystrobin	< LOQ	0.1	ppm		07/07/23 10:40	07/08/23 04:26	
Bifenazate	< LOQ	0.1	ppm		07/07/23 10:40	07/08/23 04:26	
Bifenthrin	< LOQ	0.1	ppm		07/07/23 10:40	07/08/23 04:26	
Boscalid	< LOQ	0.1	ppm		07/07/23 10:40	07/07/23 17:55	
Carbaryl	< LOQ	0.1	ppm		07/07/23 10:40	07/08/23 04:26	
Carbofuran	< LOQ	0.1	ppm		07/07/23 10:40	07/08/23 04:26	
Chlorantraniliprole	< LOQ	0.1	ppm		07/07/23 10:40	07/08/23 04:26	
Chlorfenapyr	< LOQ	0.1	ppm		07/07/23 10:40	07/07/23 17:55	



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Quality Control Pesticide Analysis (Continued)

Batch: 2327049 - 202 (Continued)

Blank(2327049-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Chlorpyrifos	< LOQ	0.1	ppm		07/07/23 10:40	07/08/23 04:26	
Clofentezine	< LOQ	0.1	ppm		07/07/23 10:40	07/08/23 04:26	
Daminozide	< LOQ	0.5	ppm		07/07/23 10:40	07/08/23 04:26	
Cyfluthrin	< LOQ	0.5	ppm		07/07/23 10:40	07/07/23 17:55	
Diazinon	< LOQ	0.1	ppm		07/07/23 10:40	07/08/23 04:26	
Cypermethrin	< LOQ	0.5	ppm		07/07/23 10:40	07/07/23 17:55	
Dimethoate	< LOQ	0.1	ppm		07/07/23 10:40	07/08/23 04:26	
Ethoprophos	< LOQ	0.1	ppm		07/07/23 10:40	07/08/23 04:26	
Etofenprox	< LOQ	0.1	ppm		07/07/23 10:40	07/08/23 04:26	
Etoxazole	< LOQ	0.1	ppm		07/07/23 10:40	07/08/23 04:26	
Fenoxycarb	< LOQ	0.1	ppm		07/07/23 10:40	07/08/23 04:26	
Fenpyroximate	< LOQ	0.1	ppm		07/07/23 10:40	07/08/23 04:26	
Flonicamid	< LOQ	0.1	ppm		07/07/23 10:40	07/08/23 04:26	
Hexythiazox	< LOQ	0.1	ppm		07/07/23 10:40	07/08/23 04:26	
Imazalil	< LOQ	0.1	ppm		07/07/23 10:40	07/08/23 04:26	
Fipronil	< LOQ	0.1	ppm		07/07/23 10:40	07/07/23 17:55	
Imidacloprid	< LOQ	0.1	ppm		07/07/23 10:40	07/08/23 04:26	
Fludioxonil	< LOQ	0.1	ppm		07/07/23 10:40	07/07/23 17:55	
Metalaxyl	< LOQ	0.1	ppm		07/07/23 10:40	07/08/23 04:26	
Methiocarb	< LOQ	0.1	ppm		07/07/23 10:40	07/08/23 04:26	
Methomyl	< LOQ	0.1	ppm		07/07/23 10:40	07/08/23 04:26	
Myclobutanil	< LOQ	0.1	ppm		07/07/23 10:40	07/08/23 04:26	
Kresoxim-methyl	< LOQ	0.1	ppm		07/07/23 10:40	07/07/23 17:55	
Naled	< LOQ	0.1	ppm		07/07/23 10:40	07/08/23 04:26	
Malathion	< LOQ	0.1	ppm		07/07/23 10:40	07/07/23 17:55	
Oxamyl	< LOQ	0.1	ppm		07/07/23 10:40	07/08/23 04:26	
Paclobutrazol	< LOQ	0.1	ppm		07/07/23 10:40	07/08/23 04:26	
Permethrins	< LOQ	0.1	ppm		07/07/23 10:40	07/08/23 04:26	
Methyl parathion	< LOQ	0.1	ppm		07/07/23 10:40	07/07/23 17:55	
MGK-264	< LOQ	0.1	ppm		07/07/23 10:40	07/07/23 17:55	
Phosmet	< LOQ	0.1	ppm		07/07/23 10:40	07/08/23 04:26	
Piperonyl butoxide	< LOQ	0.9	ppm		07/07/23 10:40	07/08/23 04:26	
Prallethrin	< LOQ	0.1	ppm		07/07/23 10:40	07/08/23 04:26	
Propoxur	< LOQ	0.1	ppm		07/07/23 10:40	07/08/23 04:26	
Pyrethrins	< LOQ	0.5	ppm		07/07/23 10:40	07/08/23 04:26	
Pyridaben	< LOQ	0.1	ppm		07/07/23 10:40	07/08/23 04:26	
Propiconazole	< LOQ	0.1	ppm		07/07/23 10:40	07/07/23 17:55	
Spinosad	< LOQ	0.1	ppm		07/07/23 10:40	07/08/23 04:26	



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Quality Control Pesticide Analysis (Continued)

Batch: 2327049 - 202 (Continued)

Blank(2327049-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Spiromesifen	< LOQ	0.1	ppm		07/07/23 10:40	07/08/23 04:26	
Spirotetramat	< LOQ	0.1	ppm		07/07/23 10:40	07/08/23 04:26	
Spiroxamine	< LOQ	0.1	ppm		07/07/23 10:40	07/08/23 04:26	
Tebuconazole	< LOQ	0.1	ppm		07/07/23 10:40	07/08/23 04:26	
Thiacloprid	< LOQ	0.1	ppm		07/07/23 10:40	07/08/23 04:26	
Thiamethoxam	< LOQ	0.1	ppm		07/07/23 10:40	07/08/23 04:26	
Trifloxystrobin	< LOQ	0.1	ppm		07/07/23 10:40	07/08/23 04:26	
DDVP (Dichlorvos)	< LOQ	0.1	ppm		07/07/23 10:40	07/08/23 04:26	

LCS(2327049-BS1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Abamectin	109	0.1	ppm	50-150	07/07/23 10:40	07/08/23 04:49	
Acephate	87.3	0.1	ppm	60-120	07/07/23 10:40	07/08/23 04:49	
Acequinocyl	63.9	0.5	ppm	40-160	07/07/23 10:40	07/08/23 04:49	
Acetamiprid	104	0.1	ppm	60-120	07/07/23 10:40	07/08/23 04:49	
Aldicarb	118	0.1	ppm	60-120	07/07/23 10:40	07/08/23 04:49	
Azoxystrobin	103	0.1	ppm	60-120	07/07/23 10:40	07/08/23 04:49	
Bifenazate	145	0.1	ppm	60-120	07/07/23 10:40	07/08/23 04:49	BSH
Bifenthrin	92.3	0.1	ppm	50-150	07/07/23 10:40	07/08/23 04:49	
Boscalid	118	0.1	ppm	60-120	07/07/23 10:40	07/07/23 18:17	
Carbaryl	93.8	0.1	ppm	60-120	07/07/23 10:40	07/08/23 04:49	
Carbofuran	98.0	0.1	ppm	60-120	07/07/23 10:40	07/08/23 04:49	
Chlorantraniliprole	106	0.1	ppm	60-120	07/07/23 10:40	07/08/23 04:49	
Chlorfenapyr	86.4	0.1	ppm	60-120	07/07/23 10:40	07/07/23 18:17	
Chlorpyrifos	95.5	0.1	ppm	60-120	07/07/23 10:40	07/08/23 04:49	
Clofentezine	104	0.1	ppm	60-120	07/07/23 10:40	07/08/23 04:49	
Daminozide	113	0.5	ppm	60-120	07/07/23 10:40	07/08/23 04:49	
Cyfluthrin	127	0.5	ppm	50-150	07/07/23 10:40	07/07/23 18:17	
Diazinon	106	0.1	ppm	60-120	07/07/23 10:40	07/08/23 04:49	
Cypermethrin	103	0.5	ppm	50-150	07/07/23 10:40	07/07/23 18:17	
Dimethoate	100	0.1	ppm	60-120	07/07/23 10:40	07/08/23 04:49	
Ethoprophos	96.7	0.1	ppm	60-120	07/07/23 10:40	07/08/23 04:49	
Etofenprox	90.8	0.1	ppm	50-150	07/07/23 10:40	07/08/23 04:49	
Etoxazole	114	0.1	ppm	60-120	07/07/23 10:40	07/08/23 04:49	
Fenoxycarb	109	0.1	ppm	60-120	07/07/23 10:40	07/08/23 04:49	
Fenpyroximate	111	0.1	ppm	60-120	07/07/23 10:40	07/08/23 04:49	
Flonicamid	116	0.1	ppm	60-120	07/07/23 10:40	07/08/23 04:49	
Hexythiazox	107	0.1	ppm	60-120	07/07/23 10:40	07/08/23 04:49	
Imazalil	142	0.1	ppm	60-120	07/07/23 10:40	07/08/23 04:49	BSH



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Chief Science Officer - 7/10/2023

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Quality Control Pesticide Analysis (Continued)

Batch: 2327049 - 202 (Continued)

LCS(2327049-BS1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Fipronil	103	0.1	ppm	60-120	07/07/23 10:40	07/07/23 18:17	
Imidacloprid	118	0.1	ppm	60-120	07/07/23 10:40	07/08/23 04:49	
Fludioxonil	119	0.1	ppm	50-150	07/07/23 10:40	07/07/23 18:17	
Metalaxyl	106	0.1	ppm	60-120	07/07/23 10:40	07/08/23 04:49	
Methiocarb	94.2	0.1	ppm	60-120	07/07/23 10:40	07/08/23 04:49	
Methomyl	122	0.1	ppm	60-120	07/07/23 10:40	07/08/23 04:49	BSH
Myclobutanil	110	0.1	ppm	60-120	07/07/23 10:40	07/08/23 04:49	
Kresoxim-methyl	121	0.1	ppm	60-120	07/07/23 10:40	07/07/23 18:17	BSH
Naled	111	0.1	ppm	50-150	07/07/23 10:40	07/08/23 04:49	
Malathion	117	0.1	ppm	60-120	07/07/23 10:40	07/07/23 18:17	
Oxamyl	108	0.1	ppm	60-120	07/07/23 10:40	07/08/23 04:49	
Paclobutrazol	113	0.1	ppm	60-120	07/07/23 10:40	07/08/23 04:49	
Permethrins	84.5	0.1	ppm	50-150	07/07/23 10:40	07/08/23 04:49	
Methyl parathion	102	0.1	ppm	50-150	07/07/23 10:40	07/07/23 18:17	
MGK-264	114	0.1	ppm	50-150	07/07/23 10:40	07/07/23 18:17	
Phosmet	92.4	0.1	ppm	50-150	07/07/23 10:40	07/08/23 04:49	
Piperonyl butoxide	123	0.9	ppm	60-120	07/07/23 10:40	07/08/23 04:49	BSH
Prallethrin	112	0.1	ppm	60-120	07/07/23 10:40	07/08/23 04:49	
Propoxur	96.8	0.1	ppm	60-120	07/07/23 10:40	07/08/23 04:49	
Pyrethrins	83.3	0.5	ppm	60-120	07/07/23 10:40	07/08/23 04:49	
Pyridaben	101	0.1	ppm	50-150	07/07/23 10:40	07/08/23 04:49	
Propiconazole	116	0.1	ppm	60-120	07/07/23 10:40	07/07/23 18:17	
Spinosad	90.0	0.1	ppm	50-150	07/07/23 10:40	07/08/23 04:49	
Spiromesifen	102	0.1	ppm	60-120	07/07/23 10:40	07/08/23 04:49	
Spirotetramat	106	0.1	ppm	60-120	07/07/23 10:40	07/08/23 04:49	
Spiroxamine	92.4	0.1	ppm	60-120	07/07/23 10:40	07/08/23 04:49	
Tebuconazole	113	0.1	ppm	60-120	07/07/23 10:40	07/08/23 04:49	
Thiacloprid	110	0.1	ppm	60-120	07/07/23 10:40	07/08/23 04:49	
Thiamethoxam	110	0.1	ppm	60-120	07/07/23 10:40	07/08/23 04:49	
Trifloxystrobin	105	0.1	ppm	60-120	07/07/23 10:40	07/08/23 04:49	
DDVP (Dichlorvos)	89.5	0.1	ppm	60-120	07/07/23 10:40	07/08/23 04:49	

Solvent Analysis

Batch: 2327048 - 205

Blank(2327048-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Acetone	< LOQ	1000	ppm		07/07/23 10:37	07/08/23 11:08	
Acetonitrile	< LOQ	50.00	ppm		07/07/23 10:37	07/08/23 11:08	



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Quality Control Solvent Analysis (Continued)

Batch: 2327048 - 205 (Continued)

Blank(2327048-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Benzene	< LOQ	1.000	ppm		07/07/23 10:37	07/08/23 11:08	
Butanes	< LOQ	1000	ppm		07/07/23 10:37	07/08/23 11:08	
2-Butanol	< LOQ	1000	ppm		07/07/23 10:37	07/08/23 11:08	
Cumene	< LOQ	35.00	ppm		07/07/23 10:37	07/08/23 11:08	
Cyclohexane	< LOQ	50.00	ppm		07/07/23 10:37	07/08/23 11:08	
Dichloromethane	< LOQ	50.00	ppm		07/07/23 10:37	07/08/23 11:08	
1,4-Dioxane	< LOQ	50.00	ppm		07/07/23 10:37	07/08/23 11:08	
2-Ethoxyethanol	< LOQ	80.00	ppm		07/07/23 10:37	07/08/23 11:08	
Ethyl acetate	< LOQ	1000	ppm		07/07/23 10:37	07/08/23 11:08	
Ethyl benzene	< LOQ	35.00	ppm		07/07/23 10:37	07/08/23 11:08	
Ethylene glycol	< LOQ	310.0	ppm		07/07/23 10:37	07/08/23 11:08	
Ethylene oxide	< LOQ	25.00	ppm		07/07/23 10:37	07/08/23 11:08	
Ethyl ether	< LOQ	1000	ppm		07/07/23 10:37	07/08/23 11:08	
Heptane	< LOQ	1000	ppm		07/07/23 10:37	07/08/23 11:08	
Hexanes	< LOQ	50.00	ppm		07/07/23 10:37	07/08/23 11:08	
Isopropyl acetate	< LOQ	1000	ppm		07/07/23 10:37	07/08/23 11:08	
Methanol	< LOQ	1000	ppm		07/07/23 10:37	07/08/23 11:08	
Pentanes	< LOQ	1000	ppm		07/07/23 10:37	07/08/23 11:08	
Propane	< LOQ	1000	ppm		07/07/23 10:37	07/08/23 11:08	
2-Propanol (IPA)	< LOQ	1000	ppm		07/07/23 10:37	07/08/23 11:08	
Tetrahydrofuran	< LOQ	50.00	ppm		07/07/23 10:37	07/08/23 11:08	
Toluene	< LOQ	50.00	ppm		07/07/23 10:37	07/08/23 11:08	
Xylenes	< LOQ	50.00	ppm		07/07/23 10:37	07/08/23 11:08	

LCS(2327048-BS1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Acetone	72.6	1000	ppm	60-120	07/07/23 10:37	07/07/23 18:15	
Acetonitrile	67.0	50.00	ppm	60-120	07/07/23 10:37	07/07/23 18:15	
Benzene	75.2	1.000	ppm	60-120	07/07/23 10:37	07/07/23 18:15	
Butanes	67.0	1000	ppm	60-120	07/07/23 10:37	07/07/23 18:15	
2-Butanol	60.5	1000	ppm	60-120	07/07/23 10:37	07/07/23 18:15	
Cumene	61.7	35.00	ppm	60-120	07/07/23 10:37	07/07/23 18:15	
Cyclohexane	81.0	50.00	ppm	60-120	07/07/23 10:37	07/07/23 18:15	
Dichloromethane	87.4	50.00	ppm	60-120	07/07/23 10:37	07/07/23 18:15	
1,4-Dioxane	68.5	50.00	ppm	60-120	07/07/23 10:37	07/07/23 18:15	
2-Ethoxyethanol	65.3	80.00	ppm	60-120	07/07/23 10:37	07/07/23 18:15	BSL
Ethyl acetate	70.6	1000	ppm	60-120	07/07/23 10:37	07/07/23 18:15	
Ethyl benzene	69.7	35.00	ppm	60-120	07/07/23 10:37	07/07/23 18:15	
Ethylene glycol	60.3	310.0	ppm	60-120	07/07/23 10:37	07/07/23 18:15	BSL



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Quality Control Solvent Analysis (Continued)

Batch: 2327048 - 205 (Continued)

LCS(2327048-BS1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Ethylene oxide	71.4	25.00	ppm	60-120	07/07/23 10:37	07/07/23 18:15	
Ethyl ether	73.6	1000	ppm	60-120	07/07/23 10:37	07/07/23 18:15	
Heptane	72.9	1000	ppm	60-120	07/07/23 10:37	07/07/23 18:15	
Hexanes	78.1	50.00	ppm	60-120	07/07/23 10:37	07/07/23 18:15	
Isopropyl acetate	68.8	1000	ppm	60-120	07/07/23 10:37	07/07/23 18:15	
Methanol	64.9	1000	ppm	60-120	07/07/23 10:37	07/07/23 18:15	
Pentanes	74.4	1000	ppm	60-120	07/07/23 10:37	07/07/23 18:15	
Propane	64.8	1000	ppm	60-120	07/07/23 10:37	07/07/23 18:15	BSL
2-Propanol (IPA)	66.9	1000	ppm	60-120	07/07/23 10:37	07/07/23 18:15	
Tetrahydrofuran	69.1	50.00	ppm	60-120	07/07/23 10:37	07/07/23 18:15	
Toluene	72.8	50.00	ppm	60-120	07/07/23 10:37	07/07/23 18:15	

Microbials

Batch: 2327042 - Microbials

Blank(2327042-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Salmonella	ND	0.00	cfu/g		07/07/23 09:42	07/10/23 09:12	
Total Aspergillus	ND	0.00	cfu/g		07/07/23 09:42	07/10/23 09:12	
Escherichia Coli	ND	0.00	cfu/g		07/07/23 09:42	07/10/23 09:12	

LCS(2327042-BS1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Salmonella	100		cfu/g	99-101	07/07/23 09:42	07/10/23 09:12	
Total Aspergillus	100		cfu/g	99-101	07/07/23 09:42	07/10/23 09:12	
Escherichia Coli	100		cfu/g	99-101	07/07/23 09:42	07/10/23 09:12	

Batch: 2327047 - 202

Blank(2327047-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
aflatoxin B1	< LOQ	6.25	ug/kg		07/07/23 10:36	07/07/23 18:11	
aflatoxin B2	< LOQ	6.25	ug/kg		07/07/23 10:36	07/07/23 18:11	
aflatoxin G1	< LOQ	6.25	ug/kg		07/07/23 10:36	07/07/23 18:11	
aflatoxin G2	< LOQ	6.25	ug/kg		07/07/23 10:36	07/07/23 18:11	
ochratoxin A	< LOQ	6.25	ug/kg		07/07/23 10:36	07/07/23 18:11	

LCS(2327047-BS1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
aflatoxin B1	84.3	6.25	ug/kg	60-120	07/07/23 10:36	07/07/23 18:22	
aflatoxin B2	91.4	6.25	ug/kg	60-120	07/07/23 10:36	07/07/23 18:22	
aflatoxin G1	72.3	6.25	ug/kg	60-120	07/07/23 10:36	07/07/23 18:22	
aflatoxin G2	85.5	6.25	ug/kg	60-120	07/07/23 10:36	07/07/23 18:22	



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Quality Control Mycotoxins (Continued)

Batch: 2327047 - 202 (Continued)

LCS(2327047-BS1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
ochratoxin A	98.2	6.25	ug/kg	60-120	07/07/23 10:36	07/07/23 18:22	

Batch: 2327054 - 217

Blank(2327054-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Cadmium	< LOQ	0.08	ug/g		07/07/23 11:40	07/07/23 16:30	
Lead	< LOQ	0.08	ug/g		07/07/23 11:40	07/07/23 16:30	
Arsenic	< LOQ	0.08	ug/g		07/07/23 11:40	07/07/23 16:30	
Mercury	< LOQ	0.04	ug/g		07/07/23 11:40	07/07/23 16:30	

LCS(2327054-BS1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Cadmium	98.0	0.08	ug/g	80-115	07/07/23 11:40	07/07/23 16:31	
Lead	104	0.08	ug/g	80-115	07/07/23 11:40	07/07/23 16:31	
Arsenic	100	0.08	ug/g	80-115	07/07/23 11:40	07/07/23 16:31	
Mercury	108	0.04	ug/g	80-115	07/07/23 11:40	07/07/23 16:31	



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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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