



Juniper Analytics LLC
63055 Layton Ave # 101
Bend, OR
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<http://www.juniperanalyticsllc.com>
ORELAP: License # 4101-001

Koi CBD LLC
14631 Best Ave.
Norwalk, CA 90650
(877) 774-4779



Sample: 22JA0543.01

Concentrate/Extract Non Compliance
Residual Solvents-SOL-A, Pesticides-PES-A
and Potency-CAN, Mycotoxins Non
Compliance

Report Date: 08/01/2022
Intake Date: 07/29/2022
Harvest/Prod. Date:

Full Spec Disposable: Hawaiian Driver

Strain: Full Spec Disposable: Hawaiian Driver
METRC Sample: ; METRC Batch #: ;
External Batch #: 2340BB0324



0.1523%

Total THC %

57.2989%

Total CBD %

1.523 mg/g

Total THC mg/g

572.989 mg/g

Total CBD mg/g

Pesticides

Pass

Residual Solvents

Pass

Mycotoxins

Pass

METRC OR Potency

Pass

Control Study

THC % RSD Status: N/A

THC % RSD Value: N/A

CBD % RSD Value: N/A

CBD % RSD Status: N/A

See attached sheets for details

This product has been tested by Juniper Analytics LLC, using valid testing methodologies and a quality system as required by state law. Values reported relate only to the product tested and batched under the batch number identified above. Juniper Analytics LLC makes no claims as to the efficacy, safety, or other risks associated with any detected or non-detected level of any compounds reported herein. This Certificate must not be altered, and shall not be reproduced except in full, without the written approval of Juniper Analytics LLC.

Mike Swisher

Michael Swisher
QA Review

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and Potency-CAN, Mycotoxins Non
Compliance

Report Date: 08/01/2022
Intake Date: 07/29/2022
Harvest/Prod. Date:
Potency Analysis Date: 07/28/2022

Full Spec Disposable: Hawaiian Driver

Strain: Full Spec Disposable: Hawaiian Driver

METRC Sample #: ; METRC Batch #: ;

External Batch #: 2340BB0324; Analytical Batch #: PO-2022-07-27-01

Cannabinoid Profile

0.1523%

Total THC

1.523 mg/g

Total THC mg/g

57.2989%

Total CBD

572.989 mg/g

Total CBD mg/g

Analyte	LOQ	Mass	Mass
	mg/g	%	mg/g
THCa	0.948	<LOQ	<LOQ
Δ^9 -THC	0.948	0.1523	1.523
Δ^8 -THC	0.948	<LOQ	<LOQ
THCV	0.948	<LOQ	<LOQ
CBDa	0.948	<LOQ	<LOQ
CBD	0.948	57.2989	572.989
CBN	0.948	0.6274	6.274
CBGa	0.948	<LOQ	<LOQ
CBG	0.948	0.6887	6.887
CBC	0.948	1.1120	11.120
Total		59.8793	598.793

QC Batch ID: PO-2022-07-27-01
Total THC = THCa * 0.877 + Δ^9 -THC
Total CBD = CBDa * 0.877 + CBD

Instrument: HPLC/DAD; Method: JA-Potency-Proprietary; LOQ = Limit of Quantitation; The reported result is based on a sample weight with the applicable moisture content for that sample; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. Potency Analysis (Oregon Compliance Standard OAR 333-007-0430).

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and Potency-CAN, Mycotoxins Non
Compliance

Report Date: 08/01/2022
Intake Date: 07/29/2022
Harvest/Prod. Date:
Pesticides Analysis Date: 08/01/2022

Full Spec Disposable: Hawaiian Driver

Strain: Full Spec Disposable: Hawaiian Driver
METRC Sample #: ; METRC Batch #: ;
External Batch #: 2340BB0324; Analytical Batch #: PE-MT-2022-07-28-01

Pesticides

Pass

Analyte	LOQ	Limit	Results	Status	Analyte	LOQ	Limit	Results	Status
	PPM	PPM	PPM			PPM	PPM	PPM	
Abamectin	0.25	0.50	<LOQ	Pass	Imazalil	0.10	0.20	<LOQ	Pass
Acephate	0.20	0.40	<LOQ	Pass	Imidacloprid	0.20	0.40	<LOQ	Pass
Acequinocyl	1.00	2.00	<LOQ	Pass	Kresoxim Methyl	0.20	0.40	<LOQ	Pass
Acetamiprid	0.10	0.20	<LOQ	Pass	Malathion	0.10	0.20	<LOQ	Pass
Aldicarb	0.20	0.40	<LOQ	Pass	Metalaxyl	0.10	0.20	<LOQ	Pass
Azoxystrobin	0.10	0.20	<LOQ	Pass	Methiocarb	0.10	0.20	<LOQ	Pass
Bifenazate	0.10	0.20	<LOQ	Pass	Methomyl	0.20	0.40	<LOQ	Pass
Bifenthrin	0.10	0.20	<LOQ	Pass	Methyl Parathion	0.10	0.20	<LOQ	Pass
Boscalid	0.20	0.40	<LOQ	Pass	MGK-264	0.10	0.20	<LOQ	Pass
Carbaryl	0.10	0.20	<LOQ	Pass	Myclobutanil	0.10	0.20	<LOQ	Pass
Carbofuran	0.10	0.20	<LOQ	Pass	Naled	0.25	0.50	<LOQ	Pass
Chlorantraniliprole	0.10	0.20	<LOQ	Pass	Oxamyl	0.50	1.00	<LOQ	Pass
Chlorfenapyr	0.50	1.00	<LOQ	Pass	Paclobotrazol	0.20	0.40	<LOQ	Pass
Chlorpyrifos	0.10	0.20	<LOQ	Pass	Permethrins	0.10	0.20	<LOQ	Pass
Clofentezine	0.10	0.20	<LOQ	Pass	Phosmet	0.10	0.20	<LOQ	Pass
Cyfluthrin	0.50	1.00	<LOQ	Pass	Piperonyl Butoxide	1.00	2.00	<LOQ	Pass
Cypermethrin	0.50	1.00	<LOQ	Pass	Prallethrin	0.10	0.20	<LOQ	Pass
Daminozide	0.50	1.00	<LOQ	Pass	Propiconazole	0.20	0.40	<LOQ	Pass
Diazinon	0.10	0.20	<LOQ	Pass	Propoxur	0.10	0.20	<LOQ	Pass
Dichlorvos	0.50	1.00	<LOQ	Pass	Pyrethrins	0.50	1.00	<LOQ	Pass
Dimethoate	0.10	0.20	<LOQ	Pass	Pyridaben	0.10	0.20	<LOQ	Pass
Ethoprophos	0.10	0.20	<LOQ	Pass	Spinosad	0.10	0.20	<LOQ	Pass
Etofenprox	0.20	0.40	<LOQ	Pass	Spiromesifen	0.10	0.20	<LOQ	Pass
Etoxazole	0.10	0.20	<LOQ	Pass	Spirotetramat	0.10	0.20	<LOQ	Pass
Fenoxycarb	0.10	0.20	<LOQ	Pass	Spiroxamine	0.20	0.40	<LOQ	Pass
Fenpyroximate	0.20	0.40	<LOQ	Pass	Tebuconazole	0.20	0.40	<LOQ	Pass
Fipronil	0.20	0.40	<LOQ	Pass	Thiacloprid	0.10	0.20	<LOQ	Pass
Flonicamid	0.50	1.00	<LOQ	Pass	Thiamethoxam	0.10	0.20	<LOQ	Pass
Fludioxonil	0.20	0.40	<LOQ	Pass	Trifloxystrobin	0.10	0.20	<LOQ	Pass
Hexythiazox	0.50	1.00	<LOQ	Pass					

QC Batch ID: PE-MT-2022-07-28-01
Instrument: LC-MS/MS; Method: AOAC 2007.1-Mod; LOQ = Limit of Quantitation; The reported result is based on wet sample weight for that sample; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. Pesticide Analysis (Oregon Compliance Standard OAR 333-007-0400).

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Residual Solvents-SOL-A, Pesticides-PES-A
and Potency-CAN, Mycotoxins Non
Compliance

Report Date: 08/01/2022
Intake Date: 07/29/2022
Harvest/Prod. Date:
Solvents Analysis Date: 07/28/2022

Full Spec Disposable: Hawaiian Driver

Strain: Full Spec Disposable: Hawaiian Driver
METRC Sample #: ; METRC Batch #: ;
External Batch #: 2340BB0324; Analytical Batch #: RS-2022-07-28-01

Residual Solvents

Pass

Analyte	LOQ	Limit	Results	Status	Analyte	LOQ	Limit	Results	Status
	PPM	PPM	PPM			PPM	PPM	PPM	
1,4-Dioxane	100	380.00	<LOQ	Pass	Toluene	100	890.00	<LOQ	Pass
2-Butanol	500	5000.00	<LOQ	Pass	Pentanes	500	5000.00	<LOQ	Pass
2-Ethoxy-Ethanol	80	160.00	<LOQ	Pass	n-Pentane			<LOQ	Tested
Acetone	500	5000.00	<LOQ	Pass	Isopentane			<LOQ	Tested
Acetonitrile	100	410.00	<LOQ	Pass	Neopentane			<LOQ	Tested
Benzene	1	2.00	<LOQ	Pass	Butanes	500	5000.00	<LOQ	Pass
Cumene	35	70.00	<LOQ	Pass	n-Butane			<LOQ	Tested
Cyclohexane	500	3880.00	<LOQ	Pass	Isobutane			<LOQ	Tested
Dichloromethane	100	600.00	<LOQ	Pass	Hexanes	50	290.00	<LOQ	Pass
Ethyl-Acetate	500	5000.00	<LOQ	Pass	n-Hexane			<LOQ	Tested
Ethyl-Ether	500	5000.00	<LOQ	Pass	2-Methyl-Pentane			<LOQ	Tested
Ethylene Glycol	300	620.00	<LOQ	Pass	3-Methyl-Pentane			<LOQ	Tested
Ethylene Oxide	20	50.00	<LOQ	Pass	2,2-Dimethyl-Butane			<LOQ	Tested
Heptane	500	5000.00	<LOQ	Pass	2,3-Dimethyl-Butane			<LOQ	Tested
Isopropyl-Acetate	500	5000.00	<LOQ	Pass	Xylenes	300	2170.00	<LOQ	Pass
Isopropanol	500	5000.00	<LOQ	Pass	m-Xylene			<LOQ	Tested
Methanol	500	3000.00	<LOQ	Pass	o-Xylene			<LOQ	Tested
Propane	500	5000.00	<LOQ	Pass	p-Xylene			<LOQ	Tested
Tetrahydrofuran	100	720.00	<LOQ	Pass	Ethyl-Benzene			<LOQ	Tested

Tentatively Identified Compounds: Peak 1: Hit 1: 2-Propanone, 1-(acetyloxy)-

QC Batch ID: RS-2022-07-28-01
Instrument: GC/MS; Method: USP 467 - Modified; LOQ = Limit of Quantitation; The reported result is based on wet sample weight for that sample; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. Residual Solvent Analysis (Oregon Compliance Standard OAR 333-007-0410).

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and Potency-CAN, Mycotoxins Non
Compliance

Report Date: 08/01/2022
Intake Date: 07/29/2022
Harvest/Prod. Date:
Mycotoxins Analysis Date: 08/01/2022

Full Spec Disposable: Hawaiian Driver

Strain: Full Spec Disposable: Hawaiian Driver
METRC Sample: ; METRC Batch #: ;
External Batch #: 2340BB0324; Analytical Batch #: PE-MT-2022-07-28-01

Mycotoxins

Pass

Analyte	LOQ	Limit	Mass	Status
	PPM	PPM	PPM	
Aflatoxin B1	0.01	0.02	<LOQ	Pass
Aflatoxin B2	0.01	0.02	<LOQ	Pass
Aflatoxin G1	0.01	0.02	<LOQ	Pass
Aflatoxin G2	0.01	0.02	<LOQ	Pass
Ochratoxin A	0.01	0.02	<LOQ	Pass
Total Aflatoxins	0.01	0.02	<LOQ	Pass

Instrument: LC-MS/MS; Method: AOAC 2007.1-Mod; LOQ = Limit of Quantitation; The reported result is based on wet sample weight for that sample; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. Mycotoxin Analysis (Oregon Compliance Standard OAR 333-007-0425).

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Quality Control Results- Residual Solvents



Work Group ID: RS-2022-07-28-01
Analysis Date: 2022-07-28

Instrument: GC/MS
 Method: SOP_JA.014

Solvent	Method Blank Results (ppm)	LCS Results (ppm)	LCS Spike Value (ppm)	LCS (% Recovery) (60-120% Acceptable)	LCS Duplicate RPD (+/-25% Acceptable)	Qualifiers
Propane	<LOQ	362.11	400	90.5%	6.1%	
iso-Butane	<LOQ	420.05	400	105.0%	1.8%	
n-Butane	<LOQ	375.51	400	93.9%	0.9%	
Methanol	<LOQ	346.82	400	86.7%	0.8%	
neo-Pentane	<LOQ	405.21	400	101.3%	1.2%	
Ethylene Oxide	<LOQ	374.93	400	93.7%	0.1%	
iso-Pentane	<LOQ	415.74	400	103.9%	0.7%	
n-Pentane	<LOQ	387.45	400	96.9%	1.0%	
IPA	<LOQ	328.68	400	82.2%	7.9%	
Ethyl ether	<LOQ	339.31	400	84.8%	2.8%	
2,2-dimethylbutane	<LOQ	401	400	100.3%	0.9%	
Acetone	<LOQ	355.35	400	88.8%	1.6%	
Acetonitrile	<LOQ	320.07	400	80.0%	1.6%	
2-methylpentane	<LOQ	790.46	800	98.8%	2.6%	
2,3-dimethylbutane	<LOQ	784.13	800	98.0%	2.6%	
Dichloromethane	<LOQ	344.94	400	86.2%	2.8%	
3-methylpentane	<LOQ	389.22	400	97.3%	0.0%	
n-hexane	<LOQ	371.7	400	92.9%	2.0%	
2-butanol	<LOQ	333.44	400	83.4%	3.9%	
Ethyl acetate	<LOQ	327.9	400	82.0%	2.4%	
Tetrahydrofuran	<LOQ	345.3	400	86.3%	3.3%	
Cyclohexane	<LOQ	380.95	400	95.2%	1.6%	
Isopropyl acetate	<LOQ	328.37	400	82.1%	3.5%	
Heptane	<LOQ	339.77	400	84.9%	4.6%	
Benzene	<LOQ	361.94	400	90.5%	2.5%	
Ethylene glycol	<LOQ	346.67	400	86.7%	4.9%	
2-Ethoxyethanol	<LOQ	338.76	400	84.7%	0.8%	
1,4-Dioxane	<LOQ	342.31	400	85.6%	3.4%	
Toluene	<LOQ	339.54	400	84.9%	1.5%	
Ethylbenzene	<LOQ	332.95	400	83.2%	4.4%	
m + p-Xylene	<LOQ	691.47	800	86.4%	3.6%	
o-Xylene	<LOQ	345.05	400	86.3%	1.7%	
Cumene	<LOQ	363.52	400	90.9%	3.0%	

LOQ = Limit of Quantification

Qualifiers	
A1	Duplicate Relative Percent Difference outside limits
A2	Duplicate result < 5 times LOQ, Duplicate result not applicable
A3	Duplicate RPD non-calculable, analyte outside analytical range
A4	Method Blank - Analyte detected, Only non-detected or less than LOQ results reported.
A5	Method Blank - Analyte detected, only sample results greater than 5 x's blank value reported.
A6	LCS recovery high, only non-detected results reported
A7	LCS recovery high, samples less than LOQ reported, considered as passing (biased high).
A8	LCS results low due to known volatility of compound. Results considered acceptable based on remaining QC.
A9	QC outside control limits, results considered estimated
A10	QC outside control limits. Only non detected result reported
A11	Compound not quantified, Screened for Action Limit Only

Disclaimer

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Quality Control Results- Pesticides



Work Group ID: Pest-MT-2022-07-28-01
 Analysis Date: 8/1/2022

AOAC 2007.1 & EN 15662

Units: ppm (ug/g)

Analyte	Method Blank			Laboratory Control Sample				
	Method Blank Result	Method Blank Limits	Qualifiers	LCS Spike	LCS Result	LCS % Recovery	Limits	Qualifiers
Abamectin	*	0.050		0.031	0.035	113.0%	50 - 150%	
Acephate	*	0.040		0.045	0.039	87.6%	60 - 120%	
Acequinocyl	*	0.200		0.092	0.080	87.0%	40 - 160%	
Acetamiprid	*	0.020		0.015	0.030	194.8%	60 - 120%	A9
Aldicarb	*	0.040		0.038	0.037	98.3%	60 - 120%	
Azoxystrobin	*	0.020		0.019	0.016	85.8%	60 - 120%	
Bifenazate	*	0.020		0.006	0.006	108.7%	60 - 120%	
Bifenthrin	*	0.020		0.014	0.015	106.2%	50 - 150%	
Boscalid	*	0.040		0.037	0.035	97.1%	60 - 120%	
Carbaryl	*	0.020		0.019	0.016	83.7%	60 - 120%	
Carbofuran	*	0.020		0.019	0.018	93.5%	60 - 120%	
Chlorantraniliprole	*	0.020		0.017	0.016	91.1%	60 - 120%	
Chlorfenapyr	*	0.100		0.095	0.091	96.8%	60 - 120%	
Chlorpyrifos	*	0.020		0.014	0.015	101.9%	60 - 120%	
Clofentezine	*	0.020		0.013	0.012	91.3%	60 - 120%	
Cyfluthrin	*	0.100		0.087	0.089	102.4%	50 - 150%	
Cypermethrin	*	0.100		0.076	0.083	109.4%	50 - 150%	
Daminozide	*	0.100		0.300	0.529	176.0%	60 - 120%	A9
Diazinon	*	0.020		0.016	0.015	95.5%	60 - 120%	
Dichlorvos	*	0.100		0.094	0.088	93.7%	60 - 120%	
Dimethoate	*	0.020		0.020	0.017	87.9%	60 - 120%	
Ethoprophos	*	0.020		0.018	0.017	92.9%	60 - 120%	
Etofenprox	*	0.040		0.023	0.022	97.2%	50 - 150%	
Etoxazole	*	0.020		0.018	0.017	93.0%	60 - 120%	
Fenoxycarb	*	0.020		0.017	0.018	104.9%	60 - 120%	
Fenpyroximate	*	0.040		0.034	0.037	106.8%	60 - 120%	
Fipronil	*	0.040		0.040	0.043	107.4%	60 - 120%	
Flonicamid	*	0.100		0.099	0.092	92.5%	60 - 120%	
Fludioxonil	*	0.040		0.038	0.035	92.3%	50 - 150%	
Hexythiazox	*	0.100		0.081	0.079	97.8%	60 - 120%	
Imazalil	*	0.020		0.017	0.017	103.0%	60 - 120%	
Imidacloprid	*	0.040		0.039	0.038	97.4%	60 - 120%	
Kresoxim-methyl	*	0.040		0.036	0.033	93.6%	60 - 120%	
Malathion	*	0.020		0.018	0.017	91.3%	60 - 120%	
Metalaxyl	*	0.020		0.019	0.017	91.1%	60 - 120%	
Methiocarb	*	0.020		0.019	0.017	90.6%	60 - 120%	
Methomyl	*	0.040		0.036	0.031	88.1%	60 - 120%	
Methyl-parathion	*	0.020		0.019	0.019	101.7%	50 - 150%	
MGK-264	*	0.020		0.020	0.019	98.8%	50 - 150%	
Myclobutanil	*	0.020		0.017	0.017	100.9%	60 - 120%	
Naled	*	0.050		0.033	0.040	119.5%	50 - 150%	
Oxamyl	*	0.200		0.205	0.191	93.3%	60 - 120%	
Paclobutrazol	*	0.040		0.039	0.033	85.5%	60 - 120%	
Permethrins	*	0.020		0.012	0.012	101.3%	50 - 150%	
Phosmet	*	0.020		0.022	0.015	69.9%	50 - 150%	
Piperonyl butoxide	*	0.100		0.082	0.078	95.7%	60 - 120%	
Prallethrin	*	0.020		0.014	0.015	106.3%	60 - 120%	
Propiconazole	*	0.040		0.047	0.035	75.9%	60 - 120%	
Propoxur	*	0.020		0.019	0.017	92.0%	60 - 120%	
Pyrethrins	*	0.100		0.035	0.044	125.6%	60 - 120%	A9
Pyridaben	*	0.020		0.015	0.014	94.7%	50 - 150%	
Spinosad	*	0.020		0.019	0.018	94.8%	50 - 150%	
Spiromesifin	*	0.020		0.009	0.014	163.9%	60 - 120%	A9
Spirotetramat	*	0.020		0.015	0.015	98.1%	60 - 120%	
Spiroxamine	*	0.040		0.038	0.035	91.7%	60 - 120%	
Tebuconazole	*	0.040		0.037	0.035	94.3%	60 - 120%	
Thiacloprid	*	0.020		0.021	0.020	96.3%	60 - 120%	
Thiamethoxam	*	0.020		0.019	0.018	96.9%	60 - 120%	
Trifloxystrobin	*	0.020		0.018	0.017	93.8%	60 - 120%	

* < LOQ or Not detected

Quality Control Results- Pesticides



Work Group ID: Pest-MT-2022-07-28-01
 Analysis Date: 8/1/2022

AOAC 2007.1 & EN 15662

Units: ppm (mg/Kg)

Matrix Spike (MS)/ Matrix Spike Duplicate (MSD) Recoveries

Analyte	Matrix Spike (MS) Result	Matrix Spike Duplicate Result	Matrix Spike	RPD %	MS % Rec	MSD % Rec	Limits	Qualifiers
Abamectin	0.086	0.091	0.050	5.9%	171.5%	181.9%	50 - 150%	A5
Acephate	0.075	0.081	0.050	7.8%	150.7%	162.8%	50 - 150%	A5
Acequinocyl	0.011	0.013	0.050	14.3%	22.6%	26.1%	50 - 150%	A5
Acetamiprid	0.119	0.123	0.050	4.0%	237.1%	246.8%	50 - 150%	A5
Aldicarb	0.062	0.066	0.050	5.3%	124.6%	131.3%	50 - 150%	
Azoxystrobin	0.030	0.033	0.050	8.0%	60.5%	65.5%	50 - 150%	
Bifenazate	0.017	0.016	0.050	5.9%	33.2%	31.3%	50 - 150%	A5
Bifenthrin	0.028	0.028	0.050	2.3%	55.0%	56.3%	50 - 150%	
Boscalid	0.030	0.029	0.050	5.7%	60.5%	57.1%	50 - 150%	
Carbaryl	0.065	0.071	0.050	7.9%	130.6%	141.3%	50 - 150%	
Carbofuran	0.046	0.049	0.050	6.3%	91.7%	97.7%	50 - 150%	
Chlorantraniliprole	0.042	0.044	0.050	5.2%	83.8%	88.3%	50 - 150%	
Chlorfenapyr	0.031	0.034	0.050	7.9%	62.0%	67.1%	50 - 150%	
Chlorpyrifos	0.011	0.012	0.050	3.8%	22.1%	23.0%	50 - 150%	A5
Clofentezine	0.023	0.022	0.050	3.2%	45.3%	43.9%	50 - 150%	A5
Cyfluthrin	0.065	0.056	0.050	15.4%	130.6%	111.9%	50 - 150%	
Cypermethrin	0.042	0.048	0.050	13.4%	84.5%	96.6%	50 - 150%	
Daminozide	0.134	0.145	0.050	8.0%	268.6%	290.9%	50 - 150%	A5
Diazinon	0.014	0.014	0.050	4.2%	27.4%	28.6%	50 - 150%	A5
Dichlorvos	0.083	0.087	0.050	4.7%	166.1%	174.1%	50 - 150%	A5
Dimethoate	0.115	0.120	0.050	4.5%	230.1%	240.8%	50 - 150%	A5
Ethoprophos	0.024	0.025	0.050	3.2%	48.3%	49.9%	50 - 150%	A5
Etofenprox	0.014	0.015	0.050	5.7%	27.8%	29.4%	50 - 150%	A5
Etoxazole	0.029	0.029	0.050	1.1%	58.7%	58.1%	50 - 150%	
Fenoxycarb	0.022	0.023	0.050	3.6%	44.5%	46.1%	50 - 150%	A5
Fenpyroximate	0.044	0.044	0.050	0.3%	88.5%	88.8%	50 - 150%	
Fipronil	0.184	0.211	0.050	13.6%	368.9%	422.6%	50 - 150%	A5
Flonicamid	0.111	0.115	0.050	3.6%	221.0%	229.1%	50 - 150%	A5
Fludioxonil	0.124	0.142	0.050	14.0%	247.3%	284.5%	50 - 150%	A5
Hexythiazox	0.018	0.018	0.050	1.6%	35.1%	35.7%	50 - 150%	A5
Imazalil	0.064	0.064	0.050	0.2%	128.5%	128.3%	50 - 150%	
Imidacloprid	0.105	0.105	0.050	0.3%	209.2%	209.8%	50 - 150%	A5
Kresoxim-methyl	0.022	0.022	0.050	0.9%	44.4%	44.8%	50 - 150%	A5
Malathion	0.023	0.026	0.050	11.7%	45.7%	51.4%	50 - 150%	A5
Metalaxyl	0.077	0.078	0.050	2.0%	153.8%	156.9%	50 - 150%	A5
Methiocarb	0.035	0.036	0.050	0.5%	70.7%	71.0%	50 - 150%	
Methomyl	0.056	0.060	0.050	7.4%	111.0%	119.6%	50 - 150%	
Methyl-parathion	0.000	0.000	0.050	N/A	0.0%	0.0%	50 - 150%	A3, A5
MGK-264	0.008	0.008	0.050	8.6%	16.7%	15.3%	50 - 150%	A5
Myclobutanil	0.042	0.041	0.050	1.7%	84.1%	82.7%	50 - 150%	
Naled	0.030	0.031	0.050	2.6%	60.1%	61.7%	50 - 150%	
Oxamyl	0.070	0.072	0.050	1.6%	141.0%	143.3%	50 - 150%	
Paclobutrazol	0.056	0.055	0.050	1.9%	112.0%	109.8%	50 - 150%	
Permethrins	0.026	0.027	0.050	3.9%	52.4%	54.5%	50 - 150%	
Phosmet	0.008	0.008	0.050	1.4%	16.7%	16.4%	50 - 150%	A5
Piperonyl butoxide	0.032	0.032	0.050	2.5%	63.2%	64.8%	50 - 150%	
Prallethrin	0.037	0.037	0.050	0.2%	73.2%	73.4%	50 - 150%	
Propiconazole	0.054	0.056	0.050	4.3%	107.5%	112.3%	50 - 150%	
Propoxur	0.057	0.059	0.050	4.6%	113.5%	118.9%	50 - 150%	
Pyrethrins	0.009	0.010	0.050	15.5%	17.4%	20.3%	50 - 150%	A5
Pyridaben	0.035	0.036	0.050	3.1%	70.2%	72.4%	50 - 150%	
Spinosad	0.063	0.066	0.050	4.8%	125.2%	131.3%	50 - 150%	
Spiromesifin	0.037	0.035	0.050	4.5%	73.6%	70.4%	50 - 150%	
Spirotetramat	0.045	0.048	0.050	6.8%	90.1%	96.4%	50 - 150%	
Spiroxamine	0.080	0.083	0.050	4.3%	159.4%	166.3%	50 - 150%	A5
Tebuconazole	0.103	0.105	0.050	1.1%	207.0%	209.2%	50 - 150%	A5
Thiacloprid	0.052	0.052	0.050	0.2%	104.7%	104.9%	50 - 150%	
Thiamethoxam	0.078	0.078	0.050	0.3%	156.7%	156.3%	50 - 150%	A5
Trifloxystrobin	0.027	0.028	0.050	3.8%	54.3%	56.4%	50 - 150%	

Qualifiers	
A1	Duplicate Relative Percent Difference outside limits
A2	Duplicate result < 5 times LOQ, Duplicate result not applicable
A3	Duplicate RPD non-calculable, analyte outside analytical range
A4	Matrix Spike (MS) recovery outside acceptable limits. Only non-detected or less than LOQ results reported.
A5	Matrix interference affecting spike or surrogate recoveries
A6	Method Blank - Analyte detected, Only non-detected or less than LOQ results reported.
A7	Method Blank - Analyte detected, only sample results greater than 5 x's blank value reported.
A8	LCS recovery high, only non-detected results reported
A9	LCS result high, samples less than action limit reported, considered as passing (biased high).
A10	Quality control outside QC limits. Data acceptable based on remaining QC.
A11	QC outside control limits, results considered estimated
A12	QC failure. Only non detected result reported
A13	Compound not quantified, Screened for Action Limit Only

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Quality Control Results- Mycotoxins



Work Group ID: Pest-MT-2022-07-28-01
 Analysis Date: 8/1/2022

AOAC 2007.1 & EN 15662

Units: ppm (ug/g)

Analyte	Method Blank			Laboratory Control Sample				
	Method Blank Result	Method Blank Limits	Qualifiers	LCS Spike	LCS Result	LCS % Recovery	Limits	Qualifiers
Aflatoxin B1	*	0.010		0.010	0.009	86.6%	60 - 120%	
Aflatoxin B2	*	0.010		0.010	0.009	88.0%	60 - 120%	
Aflatoxin G1	*	0.010		0.010	0.009	88.5%	60 - 120%	
Aflatoxin G2	*	0.010		0.010	0.010	95.4%	60 - 120%	
Ochratoxin A	*	0.010		0.010	0.016	163.8%	60 - 120%	A9

*< LOQ or Not detected

Matrix Spike (MS)/ Matrix Spike Duplicate (MSD) Recoveries								
Analyte	Matrix Spike (MS) Result	Matrix Spike Duplicate Result	Matrix Spike	RPD %	MS % Rec	MSD % Rec	Limits	Qualifiers
Aflatoxin B1	0.006	0.006	0.020	5.1%	29.6%	31.1%	50 - 150%	A5
Aflatoxin B2	0.007	0.007	0.020	3.1%	37.2%	36.0%	50 - 150%	A5
Aflatoxin G1	0.034	0.034	0.020	0.5%	171.2%	170.3%	50 - 150%	A5
Aflatoxin G2	0.004	0.004	0.020	6.3%	20.5%	19.3%	50 - 150%	A5
Ochratoxin A	0.007	0.007	0.020	1.5%	34.1%	33.6%	50 - 150%	A5

Qualifiers	
A1	Duplicate Relative Percent Difference outside limits
A2	Duplicate result < 5 times LOQ, Duplicate result not applicable
A3	Duplicate RPD non-calculable, analyte outside analytical range
A4	Matrix Spike (MS) recovery outside acceptable limits. Only non-detected or less than LOQ results reported.
A5	Matrix interference affecting spike or surrogate recoveries
A6	Method Blank - Analyte detected, Only non-detected or less than LOQ results reported.
A7	Method Blank - Analyte detected, only sample results greater than 5 x's blank value reported.
A8	LCS recovery high, only non-detected results reported
A9	LCS result high, samples less than action limit reported, considered as passing (biased high).
A10	Quality control outside QC limits. Data acceptable based on remaining QC.
A11	QC outside control limits, results considered estimated
A12	QC failure. Only non detected result reported
A13	Compound not quantified, Screened for Action Limit Only

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Quality Control Results - Potency



Work Group ID:	PO-2022-07-27-01
Analysis Date:	7/28/2022

Potency	Method Blank (mg/g)	LCS (% Recovery)	Sample Duplicate (RPD %)	Duplicate LOQ (mg/g)	Qualifiers/Notes
CBD-A	<LOQ	99.89%	<LOQ	3.75	
CBG-A	<LOQ	N/A	0.06%	3.75	
CBG	<LOQ	99.79%	0.65%	3.75	
CBD	<LOQ	99.98%	<LOQ	3.75	
THC-V	<LOQ	N/A	<LOQ	3.75	
CBN	<LOQ	99.37%	<LOQ	3.75	
D9-THC	<LOQ	99.82%	0.16%	3.75	
D8-THC	<LOQ	99.85%	<LOQ	3.75	
CBC	<LOQ	N/A	<LOQ	3.75	
THC-A	<LOQ	98.16%	0.42%	3.75	

	Method Blank LOQ (mg/g)	LCS (% Rec)	Duplicate Limits (RPD %)
CBD-A	3.94	90-110%	15%
CBG-A	3.94	90-110%	15%
CBG	3.94	90-110%	15%
CBD	3.94	90-110%	15%
THC-V	3.94	90-110%	15%
CBN	3.94	90-110%	15%
D9-THC	3.94	90-110%	15%
D8-THC	3.94	90-110%	15%
CBC	3.94	90-110%	15%
THC-A	3.94	90-110%	15%

Qualifiers	
A1	Relative Percent Difference outside limits, results considered acceptable based on remaining QC
A2	Non homogenous sample matrix affecting RPD results
A3	Result < 5 times LOQ, Duplicate result not applicable.
A4	RPD non-calculable, analyte outside analytical range
A5	Sample concentration is greater than 5 times Method Blank
A6	Analyte detected in Method Blank, absent in sample
A7	LCS result high, only non-detected results reported
A8	LCS outside acceptable limits, results considered acceptable based on remaining QC

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