



12423 NE Whitaker Way  
 Portland, OR 97230  
 503-254-1794



**Report Number:** 23-001779/D002.R000  
**Report Date:** 02/16/2023  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 02/10/23 09:28

**Customer:** IHC  
**Product identity:** 25mg D8 Mixed batches/ panel  
**Client/Metric ID:** .  
**Laboratory ID:** 23-001779-0005

### Summary

**Potency:**

Analyte per 3.1g	Result	Limits	Units	Status	
Δ8-THCV per 3.1g	0.115		mg/3.1g		CBD-Total per Serving Size <LOQ
Δ8-THC per 3.1g	24.9		mg/3.1g		THC-Total per Serving Size <LOQ
					(Reported in milligrams per serving)

**Residual Solvents:**

*All analytes passing and less than LOQ.*

**Pesticides:**

*All analytes passing and less than LOQ.*

**Metals:**

Analyte	Result	Units	Limit	Status
Lead	0.0431	mg/kg	0.500	pass



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**Customer:** IHC  
**Product identity:** 25mg D8 Mixed batches/ panel  
**Client/Metric ID:** .  
**Sample Date:**  
**Laboratory ID:** 23-001779-0005  
**Evidence of Cooling:** No  
**Temp:** 14.6  
**Relinquished by:** fedex  
**Serving Size #1:** 3.1 g



### Sample Results

Potency per 3.1g						
Method: J AOAC 2015 V98-6 (mod) <sup>b</sup>						
Units mg/se Batch: 2301394						
Analyze: 2/13/23 8:28:00 PM						
Analyte	Result	Limits	Units	LOQ	Notes	
CBC per 3.1g	< LOQ		mg/3.1g	0.102		
CBC-A per 3.1g	< LOQ		mg/3.1g	0.102		
CBC-Total per 3.1g	< LOQ		mg/3.1g	0.191		
CBD per 3.1g	< LOQ		mg/3.1g	0.102		
CBD-A per 3.1g	< LOQ		mg/3.1g	0.102		
CBD-Total per 3.1g	< LOQ		mg/3.1g	0.191		
CBDV per 3.1g	< LOQ		mg/3.1g	0.102		
CBDV-A per 3.1g	< LOQ		mg/3.1g	0.102		
CBDV-Total per 3.1g	< LOQ		mg/3.1g	0.190		
CBE per 3.1g	< LOQ		mg/3.1g	0.102		
CBG per 3.1g	< LOQ		mg/3.1g	0.102		
CBG-A per 3.1g	< LOQ		mg/3.1g	0.102		
CBG-Total per 3.1g	< LOQ		mg/3.1g	0.190		
CBL per 3.1g	< LOQ		mg/3.1g	0.102		
CBL-A per 3.1g	< LOQ		mg/3.1g	0.102		
CBL-Total per 3.1g	< LOQ		mg/3.1g	0.191		
CBN per 3.1g	< LOQ		mg/3.1g	0.102		
CBT per 3.1g	< LOQ		mg/3.1g	0.102		
Δ8-THCV per 3.1g	0.115		mg/3.1g	0.102		
Δ10-THC-9R per 3.1g	< LOQ		mg/3.1g	0.102		
Δ10-THC-9S per 3.1g	< LOQ		mg/3.1g	0.102		
Δ10-THC-Total per 3.1g	< LOQ		mg/3.1g	0.204		
Δ8-THC per 3.1g	24.9		mg/3.1g	0.102		
Δ9-THC per 3.1g	< LOQ		mg/3.1g	0.102		
exo-THC per 3.1g	< LOQ		mg/3.1g	0.102		
THC-A per 3.1g	< LOQ		mg/3.1g	0.102		
THC-Total per 3.1g	< LOQ		mg/3.1g	0.191		
THCV per 3.1g	< LOQ		mg/3.1g	0.102		
THCV-A per 3.1g	< LOQ		mg/3.1g	0.102		
THCV-Total per 3.1g	< LOQ		mg/3.1g	0.191		
Total Cannabinoids per 3.1g	25.0		mg/3.1g			



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Solvents											Method: Residual Solvents by GC/MS <sup>b</sup>					Units µg/g		Batch 2301412		Analyze 02/14/23 02:07 PM				
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes													
1,4-Dioxane	< LOQ	380	100	pass		2-Butanol	< LOQ	5000	200	pass														
2-Ethoxyethanol	< LOQ	160	30.0	pass		2-Methylbutane (Isopentane)	< LOQ		200															
2-Methylpentane	< LOQ		30.0			2-Propanol (IPA)	< LOQ	5000	200	pass														
2,2-Dimethylbutane	< LOQ		30.0			2,2-Dimethylpropane (neo-pentane)	< LOQ		200															
2,3-Dimethylbutane	< LOQ		30.0			3-Methylpentane	< LOQ		30.0															
Acetone	< LOQ	5000	200	pass		Acetonitrile	< LOQ	410	100	pass														
Benzene	< LOQ	2.00	1.00	pass		Butanes (sum)	< LOQ	5000	400	pass														
Cyclohexane	< LOQ	3880	200	pass		Ethyl acetate	< LOQ	5000	200	pass														
Ethyl benzene	< LOQ		200			Ethyl ether	< LOQ	5000	200	pass														
Ethylene glycol	< LOQ	620	200	pass		Ethylene oxide	< LOQ	50.0	20.0	pass														
Hexanes (sum)	< LOQ	290	150	pass		Isopropyl acetate	< LOQ	5000	200	pass														
Isopropylbenzene (Cumene)	< LOQ	70.0	30.0	pass		m,p-Xylene	< LOQ		200															
Methanol	< LOQ	3000	200	pass		Methylene chloride	< LOQ	600	60.0	pass														
Methylpropane (Isobutane)	< LOQ		200			n-Butane	< LOQ		200															
n-Heptane	< LOQ	5000	200	pass		n-Hexane	< LOQ		30.0															
n-Pentane	< LOQ		200			o-Xylene	< LOQ		200															
Pentanes (sum)	< LOQ	5000	600	pass		Propane	< LOQ	5000	200	pass														
Tetrahydrofuran	< LOQ	720	100	pass		Toluene	< LOQ	890	100	pass														
Total Xylenes	< LOQ		400			Total Xylenes and Ethyl benzene	< LOQ	2170	600	pass														



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Pesticides											
Method: AOAC 2007.01 & EN 15662 (mod) <sup>b</sup>											
Units mg/kg Batch 2301466 Analyze 02/15/23 02:10 PM											
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
Abamectin <sup>‡</sup>	< LOQ	0.50	0.250	pass		Acephate <sup>‡</sup>	< LOQ	0.40	0.200	pass	
Acequinocyl <sup>‡</sup>	< LOQ	2.0	1.00	pass		Acetamiprid <sup>‡</sup>	< LOQ	0.20	0.100	pass	
Aldicarb <sup>‡</sup>	< LOQ	0.40	0.200	pass		Azoxystrobin <sup>‡</sup>	< LOQ	0.20	0.100	pass	
Bifenazate <sup>‡</sup>	< LOQ	0.20	0.100	pass		Bifenthrin <sup>‡</sup>	< LOQ	0.20	0.100	pass	
Boscalid <sup>‡</sup>	< LOQ	0.40	0.200	pass		Carbaryl <sup>‡</sup>	< LOQ	0.20	0.100	pass	
Carbofuran <sup>‡</sup>	< LOQ	0.20	0.100	pass		Chlorantraniliprole <sup>‡</sup>	< LOQ	0.20	0.100	pass	
Chlorfenapyr <sup>‡</sup>	< LOQ	1.0	0.500	pass		Chlorpyrifos <sup>‡</sup>	< LOQ	0.20	0.100	pass	
Clofentezine <sup>‡</sup>	< LOQ	0.20	0.100	pass		Cyfluthrin <sup>‡</sup>	< LOQ	1.0	0.500	pass	
Cypermethrin <sup>‡</sup>	< LOQ	1.0	0.500	pass		Daminozide <sup>‡</sup>	< LOQ	1.0	0.500	pass	
Diazinon <sup>‡</sup>	< LOQ	0.20	0.100	pass		Dichlorvos <sup>‡</sup>	< LOQ	1.0	0.500	pass	
Dimethoate <sup>‡</sup>	< LOQ	0.20	0.100	pass		Ethoprophos <sup>‡</sup>	< LOQ	0.20	0.100	pass	
Etofenprox <sup>‡</sup>	< LOQ	0.40	0.200	pass		Etoxazole <sup>‡</sup>	< LOQ	0.20	0.100	pass	
Fenoxycarb <sup>‡</sup>	< LOQ	0.20	0.100	pass		Fenpyroximate <sup>‡</sup>	< LOQ	0.40	0.200	pass	
Fipronil <sup>‡</sup>	< LOQ	0.40	0.200	pass		Flonicamid <sup>‡</sup>	< LOQ	1.0	0.400	pass	
Fludioxonil <sup>‡</sup>	< LOQ	0.40	0.200	pass		Hexythiazox <sup>‡</sup>	< LOQ	1.0	0.400	pass	
Imazalil <sup>‡</sup>	< LOQ	0.20	0.100	pass		Imidacloprid <sup>‡</sup>	< LOQ	0.40	0.200	pass	
Kresoxim-methyl <sup>‡</sup>	< LOQ	0.40	0.200	pass		Malathion <sup>‡</sup>	< LOQ	0.20	0.100	pass	
Metalaxyl <sup>‡</sup>	< LOQ	0.20	0.100	pass		Methiocarb <sup>‡</sup>	< LOQ	0.20	0.100	pass	
Methomyl <sup>‡</sup>	< LOQ	0.40	0.200	pass		MGK-264 <sup>‡</sup>	< LOQ	0.20	0.100	pass	
Myclobutanil <sup>‡</sup>	< LOQ	0.20	0.100	pass		Naled <sup>‡</sup>	< LOQ	0.50	0.250	pass	
Oxamyl <sup>‡</sup>	< LOQ	1.0	0.500	pass		Pacllobutrazole <sup>‡</sup>	< LOQ	0.40	0.200	pass	
Parathion-Methyl <sup>‡</sup>	< LOQ	0.20	0.100	pass		Permethrin <sup>‡</sup>	< LOQ	0.20	0.100	pass	
Phosmet <sup>‡</sup>	< LOQ	0.20	0.100	pass		Piperonyl butoxide <sup>‡</sup>	< LOQ	2.0	1.00	pass	
Prallethrin <sup>‡</sup>	< LOQ	0.20	0.100	pass		Propiconazole <sup>‡</sup>	< LOQ	0.40	0.200	pass	
Propoxur <sup>‡</sup>	< LOQ	0.20	0.100	pass		Pyrethrin I (total) <sup>‡</sup>	< LOQ	1.0	0.500	pass	
Pyridaben <sup>‡</sup>	< LOQ	0.20	0.100	pass		Spinosad <sup>‡</sup>	< LOQ	0.20	0.100	pass	
Spiromesifen <sup>‡</sup>	< LOQ	0.20	0.100	pass		Spirotetramat <sup>‡</sup>	< LOQ	0.20	0.100	pass	
Spiroxamine <sup>‡</sup>	< LOQ	0.40	0.200	pass		Tebuconazole <sup>‡</sup>	< LOQ	0.40	0.200	pass	
Thiacloprid <sup>‡</sup>	< LOQ	0.20	0.100	pass		Thiamethoxam <sup>‡</sup>	< LOQ	0.20	0.100	pass	
Trifloxystrobin <sup>‡</sup>	< LOQ	0.20	0.100	pass							

Metals										
Analyte	Result	Limits	Units	LOQ	Batch	Analyzed	Method	Status	Notes	
Arsenic	< LOQ	0.200	mg/kg	0.0170	2301504	02/15/23	AOAC 2013.06 (mod.) <sup>b</sup>	pass		
Cadmium	< LOQ	0.200	mg/kg	0.0170	2301504	02/15/23	AOAC 2013.06 (mod.) <sup>b</sup>	pass		
Lead	0.0431	0.500	mg/kg	0.0170	2301504	02/15/23	AOAC 2013.06 (mod.) <sup>b</sup>	pass		
Mercury	< LOQ	0.100	mg/kg	0.00852	2301504	02/15/23	AOAC 2013.06 (mod.) <sup>b</sup>	pass		



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**Mycotoxins**

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
Aflatoxin B2 <sup>‡</sup>	< LOQ		µg/kg	5.00	2301357	02/13/23 AOAC 2007.01 & EN 15662 (mod) <sup>P</sup>		
Aflatoxin B1 <sup>‡</sup>	< LOQ		µg/kg	5.00	2301357	02/13/23 AOAC 2007.01 & EN 15662 (mod) <sup>P</sup>		
Aflatoxin G1 <sup>‡</sup>	< LOQ		µg/kg	5.00	2301357	02/13/23 AOAC 2007.01 & EN 15662 (mod) <sup>P</sup>		
Aflatoxin G2 <sup>‡</sup>	< LOQ		µg/kg	5.00	2301357	02/13/23 AOAC 2007.01 & EN 15662 (mod) <sup>P</sup>		
Ochratoxin A <sup>‡</sup>	< LOQ	20.0	µg/kg	5.00	2301357	02/13/23 AOAC 2007.01 & EN 15662 (mod) <sup>P</sup>	pass	
Total Aflatoxins <sup>‡</sup>	0.000	20.0	µg/kg	20.0		02/15/23 AOAC 2007.01 & EN 15662 (mod) <sup>P</sup>	pass	



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**Abbreviations**

**Limits:** Action Levels per OAR-333-007-0400, OAR-333-007-0210, OAR-333-007-0220, CCR title 16-division 42. BCC-section 5723

**Limit(s) of Quantitation (LOQ):** The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence.

Ⓐ = ISO/IEC 17025:2017 accredited method.

Ⓜ = TNI accredited analyte.

**Units of Measure**

g = g

µg/g = Microgram per gram

µg/kg = Micrograms per kilogram = parts per billion (ppb)

mg/kg = Milligram per kilogram = parts per million (ppm)

mg/3.1g = Milligram per 3.1g

% = Percentage of sample

% wt = µg/g divided by 10,000

Approved Signatory

Derrick Tanner  
General Manager



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Revision: 1 Document ID: 7148  
 Legacy ID: Worksheet Validated 04/20/2021

Laboratory Quality Control Results

J AOAC 2015 V98-6 Batch ID: 2301394

Laboratory Control Sample									
Analyte	LCS	Result	Spike	Units	% Rec	Limits		Evaluation	Notes
CBDVA	2	0.0407	0.040	%	102	80.0	- 120	Acceptable	
CBDV	2	0.0434	0.042	%	102	80.0	- 120	Acceptable	
CBE	2	0.0432	0.041	%	104	80.0	- 120	Acceptable	
CBDA	1	0.0333	0.032	%	104	90.0	- 110	Acceptable	
CBGA	1	0.0334	0.032	%	105	80.0	- 120	Acceptable	
CBG	1	0.0348	0.033	%	105	80.0	- 120	Acceptable	
CBD	1	0.0330	0.033	%	99.3	90.0	- 110	Acceptable	
THCV	2	0.0422	0.040	%	105	80.0	- 120	Acceptable	
d8THCV	2	0.0418	0.042	%	99.7	80.0	- 120	Acceptable	
THCVA	2	0.0385	0.038	%	101	80.0	- 120	Acceptable	
CBN	1	0.0349	0.033	%	105	80.0	- 120	Acceptable	
exo-THC	2	0.0403	0.040	%	101	80.0	- 120	Acceptable	
d9THC	1	0.0350	0.033	%	106	90.0	- 110	Acceptable	
d8THC	1	0.0318	0.034	%	94.1	90.0	- 110	Acceptable	
9S-d10THC	1	0.0344	0.034	%	101	80.0	- 120	Acceptable	
CBL	2	0.0391	0.040	%	98.7	80.0	- 120	Acceptable	
9R-d10THC	1	0.0332	0.032	%	104	80.0	- 120	Acceptable	
CBC	2	0.0410	0.042	%	97.6	80.0	- 120	Acceptable	
THCA	1	0.0346	0.032	%	107	90.0	- 110	Acceptable	
BCA	2	0.0413	0.040	%	102	80.0	- 120	Acceptable	
CBLA	2	0.0420	0.041	%	103	80.0	- 120	Acceptable	
CBT	2	0.0403	0.041	%	97.3	80.0	- 120	Acceptable	

Method Blank						
Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDVA	<LOQ	0.003	%	< 0.003	Acceptable	
CBDV	<LOQ	0.003	%	< 0.003	Acceptable	
CBE	<LOQ	0.003	%	< 0.003	Acceptable	
CBDA	<LOQ	0.003	%	< 0.003	Acceptable	
CBGA	<LOQ	0.003	%	< 0.003	Acceptable	
CBG	<LOQ	0.003	%	< 0.003	Acceptable	
CBD	<LOQ	0.003	%	< 0.003	Acceptable	
THCV	<LOQ	0.003	%	< 0.003	Acceptable	
d8THCV	<LOQ	0.003	%	< 0.003	Acceptable	
THCVA	<LOQ	0.003	%	< 0.003	Acceptable	
CBN	<LOQ	0.003	%	< 0.003	Acceptable	
exo-THC	<LOQ	0.003	%	< 0.003	Acceptable	
d9THC	<LOQ	0.003	%	< 0.003	Acceptable	
d8THC	<LOQ	0.003	%	< 0.003	Acceptable	
9S-d10THC	<LOQ	0.003	%	< 0.003	Acceptable	
CBL	<LOQ	0.003	%	< 0.003	Acceptable	
9R-d10THC	<LOQ	0.003	%	< 0.003	Acceptable	
CBC	<LOQ	0.003	%	< 0.003	Acceptable	
THCA	<LOQ	0.003	%	< 0.003	Acceptable	
BCA	<LOQ	0.003	%	< 0.003	Acceptable	
CBLA	<LOQ	0.003	%	< 0.003	Acceptable	
CBT	<LOQ	0.003	%	< 0.003	Acceptable	

**Abbreviations**  
 ND - None Detected at or above MRL  
 RPD - Relative Percent Difference  
 LOQ - Limit of Quantitation

**Units of Measure:**  
 % - Percent







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Revision: 2 Document ID: 7087  
 Legacy ID: CFL-E33Effective:

Laboratory Quality Control Results

Residual Solvents				Batch ID: 2301412					
Method Blank				Laboratory Control Sample					
Analyte	Result	LOQ	Notes	Result	Spike	Units	% Rec	Limits	Notes
Propane	ND	< 200		559	572	µg/g	97.7	60 - 120	
Isobutane	ND	< 200		707	731	µg/g	96.7	60 - 120	
Butane	ND	< 200		691	731	µg/g	94.5	60 - 120	
2,2-Dimethylpropane	ND	< 200		902	936	µg/g	96.4	60 - 120	
Methanol	ND	< 200		1690	1620	µg/g	104.3	60 - 120	
Ethylene Oxide	ND	< 30		56.5	56.2	µg/g	100.5	60 - 120	
2-Methylbutane	ND	< 200		1680	1610	µg/g	104.3	60 - 120	
Pentane	ND	< 200		1680	1600	µg/g	105.0	60 - 120	
Ethanol	ND	< 200		1690	1610	µg/g	105.0	70 - 130	
Ethyl Ether	ND	< 200		1730	1630	µg/g	106.1	60 - 120	
2,2-Dimethylbutane	ND	< 30		178	171	µg/g	104.1	60 - 120	
Acetone	ND	< 200		1690	1630	µg/g	103.7	60 - 120	
2-Propanol	ND	< 200		1680	1620	µg/g	103.7	60 - 120	
Ethyl Formate	ND	< 500		1770	1670	µg/g	106.0	70 - 130	
Acetonitrile	ND	< 100		499	498	µg/g	100.2	60 - 120	
Methyl Acetate	ND	< 500		1700	1730	µg/g	98.3	70 - 130	
2,3-Dimethylbutane	ND	< 30		179	171	µg/g	104.7	60 - 120	
Dichloromethane	ND	< 60		508	483	µg/g	105.2	60 - 120	
2-Methylpentane	ND	< 30		169	168	µg/g	100.6	60 - 120	
MTBE	ND	< 500		1670	1650	µg/g	101.2	70 - 130	
3-Methylpentane	ND	< 30		161	167	µg/g	96.4	60 - 120	
Hexane	ND	< 30		223	182	µg/g	122.5	60 - 120	Q1
1-Propanol	ND	< 500		1500	1620	µg/g	92.6	70 - 130	
Methylethylketone	ND	< 500		1560	1620	µg/g	96.3	70 - 130	
Ethyl acetate	ND	< 200		1600	1610	µg/g	99.4	60 - 120	
2-Butanol	ND	< 200		1610	1600	µg/g	100.6	60 - 120	
Tetrahydrofuran	ND	< 100		472	483	µg/g	97.7	60 - 120	
Cyclohexane	ND	< 200		1630	1610	µg/g	101.2	60 - 120	
2-methyl-1-propanol	ND	< 500		1460	1620	µg/g	90.1	70 - 130	
Benzene	ND	< 1		5.39	5.02	µg/g	107.4	60 - 120	
Isopropyl Acetate	ND	< 200		1630	1620	µg/g	100.6	60 - 120	
Heptane	ND	< 200		1560	1610	µg/g	96.9	60 - 120	
1-Butanol	ND	< 500		1510	1630	µg/g	92.6	70 - 130	
Propyl Acetate	ND	< 500		1480	1610	µg/g	91.9	70 - 130	
1,4-Dioxane	ND	< 100		468	491	µg/g	95.3	60 - 120	
2-Ethoxyethanol	ND	< 30		166	181	µg/g	91.7	60 - 120	
Methylisobutylketone	ND	< 500		1520	1620	µg/g	93.8	70 - 130	
3-Methyl-1-butanol	ND	< 500		1480	1630	µg/g	90.8	70 - 130	
Ethylene Glycol	ND	< 200		405	484	µg/g	83.7	60 - 120	
Toluene	ND	< 100		449	485	µg/g	92.6	60 - 120	
Isobutyl Acetate	ND	< 500		1440	1630	µg/g	88.3	70 - 130	
1-Pentanol	ND	< 500		1360	1620	µg/g	84.0	70 - 130	
Butyl Acetate	ND	< 500		1390	1620	µg/g	85.8	70 - 130	
Ethylbenzene	ND	< 200		844	969	µg/g	87.1	60 - 120	
m,p-Xylene	ND	< 200		842	994	µg/g	84.7	60 - 120	
o-Xylene	ND	< 200		815	967	µg/g	84.3	60 - 120	
Cumene	ND	< 30		143	171	µg/g	83.6	60 - 120	
Anisole	ND	< 500		1330	1630	µg/g	81.6	70 - 130	
DMSO	ND	< 500		1370	1680	µg/g	81.5	70 - 130	
1,2-dimethoxyethane	ND	< 50		155	169	µg/g	91.7	70 - 130	
Triethylamine	ND	< 500		1510	1630	µg/g	92.6	70 - 130	
N,N-dimethylformamide	ND	< 150		445	482	µg/g	92.3	70 - 130	
N,N-dimethylacetamide	ND	< 150		401	510	µg/g	78.6	70 - 130	
Pyridine	ND	< 50		180	203	µg/g	88.7	70 - 130	
Silfolane	ND	< 50		129	172	µg/g	75.0	70 - 130	
1,2-Dichloroethane	ND	< 1		1.03	1	µg/g	103.0	70 - 130	
Chloroform	ND	< 1		1.01	1	µg/g	101.0	70 - 130	
Trichloroethylene	ND	< 1		0.988	1	µg/g	98.8	70 - 130	
1,1-Dichloroethane	ND	< 1		1.01	1	µg/g	101.0	70 - 130	



12423 NE Whitaker Way  
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**Report Number:** 23-001779/D002.R000  
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**Received:** 02/10/23 09:28



Revision: 2 Document ID: 7087  
 Legacy ID: CFL-E33Effective:

QC- Sample Duplicate Sample ID: 23-001779-0005

Analyte	Result	Org. Result	LOQ Units	RPD	Limits	Accept/ Fail	Notes
Propane	ND	ND	200 µg/g	0.0	< 20	Acceptable	
Isobutane	ND	ND	200 µg/g	0.0	< 20	Acceptable	
Butane	ND	ND	200 µg/g	0.0	< 20	Acceptable	
2,2-Dimethylpropane	ND	ND	200 µg/g	0.0	< 20	Acceptable	
Methanol	ND	ND	200 µg/g	0.0	< 20	Acceptable	
Ethylene Oxide	ND	ND	30 µg/g	0.0	< 20	Acceptable	
2-Methylbutane	ND	ND	200 µg/g	0.0	< 20	Acceptable	
Pentane	ND	ND	200 µg/g	0.0	< 20	Acceptable	
Ethanol	ND	ND	200 µg/g	0.0	< 20	Acceptable	
Ethyl Ether	ND	ND	200 µg/g	0.0	< 20	Acceptable	
2,2-Dimethylbutane	ND	ND	30 µg/g	0.0	< 20	Acceptable	
Acetone	ND	ND	200 µg/g	0.0	< 20	Acceptable	
2-Propanol	ND	ND	200 µg/g	0.0	< 20	Acceptable	
Ethyl Formate	ND	ND	500 µg/g	0.0	< 20	Acceptable	
Acetonitrile	ND	ND	100 µg/g	0.0	< 20	Acceptable	
Methyl Acetate	ND	ND	500 µg/g	0.0	< 20	Acceptable	
2,3-Dimethylbutane	ND	ND	30 µg/g	0.0	< 20	Acceptable	
Dichloromethane	ND	ND	60 µg/g	0.0	< 20	Acceptable	
2-Methylpentane	ND	ND	30 µg/g	0.0	< 20	Acceptable	
MTBE	ND	ND	500 µg/g	0.0	< 20	Acceptable	
3-Methylpentane	ND	ND	30 µg/g	0.0	< 20	Acceptable	
Hexane	ND	ND	30 µg/g	0.0	< 20	Acceptable	
1-Propanol	ND	ND	500 µg/g	0.0	< 20	Acceptable	
Methylethylketone	ND	ND	500 µg/g	0.0	< 20	Acceptable	
Ethyl acetate	ND	ND	200 µg/g	0.0	< 20	Acceptable	
2-Butanol	ND	ND	200 µg/g	0.0	< 20	Acceptable	
Tetrahydrofuran	ND	ND	100 µg/g	0.0	< 20	Acceptable	
Cyclohexane	ND	ND	200 µg/g	0.0	< 20	Acceptable	
2-methyl-1-propanol	ND	ND	500 µg/g	0.0	< 20	Acceptable	
Benzene	ND	ND	1 µg/g	0.0	< 20	Acceptable	
Isopropyl Acetate	ND	ND	200 µg/g	0.0	< 20	Acceptable	
Heptane	ND	ND	200 µg/g	0.0	< 20	Acceptable	
1-Butanol	ND	ND	500 µg/g	0.0	< 20	Acceptable	
Propyl Acetate	ND	ND	500 µg/g	0.0	< 20	Acceptable	
1,4-Dioxane	ND	ND	100 µg/g	0.0	< 20	Acceptable	
2-Ethoxyethanol	ND	ND	30 µg/g	0.0	< 20	Acceptable	
Methylisobutylketone	ND	ND	500 µg/g	0.0	< 20	Acceptable	
3-Methyl-1-butanol	ND	ND	500 µg/g	0.0	< 20	Acceptable	
Ethylene Glycol	ND	ND	200 µg/g	0.0	< 20	Acceptable	
Toluene	ND	ND	100 µg/g	0.0	< 20	Acceptable	
Isobutyl Acetate	ND	ND	500 µg/g	0.0	< 20	Acceptable	
1-Pentanol	ND	ND	500 µg/g	0.0	< 20	Acceptable	
Butyl Acetate	ND	ND	500 µg/g	0.0	< 20	Acceptable	
Ethylbenzene	ND	ND	200 µg/g	0.0	< 20	Acceptable	
m,p-Xylene	ND	ND	200 µg/g	0.0	< 20	Acceptable	
o-Xylene	ND	ND	200 µg/g	0.0	< 20	Acceptable	
Cumene	ND	ND	30 µg/g	0.0	< 20	Acceptable	
Anisole	ND	ND	500 µg/g	0.0	< 20	Acceptable	
DMSO	ND	ND	500 µg/g	0.0	< 20	Acceptable	
1,2-dimethoxyethane	ND	ND	50 µg/g	0.0	< 20	Acceptable	
Triethylamine	ND	ND	500 µg/g	0.0	< 20	Acceptable	
N,N-dimethylformamide	ND	ND	150 µg/g	0.0	< 20	Acceptable	
N,N-dimethylacetamide	ND	ND	150 µg/g	0.0	< 20	Acceptable	
Pyridine	ND	ND	50 µg/g	0.0	< 20	Acceptable	
Sulfolane	ND	ND	50 µg/g	0.0	< 20	Acceptable	
1,2-Dichloroethane	ND	ND	1 µg/g	0.0	< 20	Acceptable	
Chloroform	ND	ND	1 µg/g	0.0	< 20	Acceptable	
Trichloroethylene	ND	ND	1 µg/g	0.0	< 20	Acceptable	
1,1-Dichloroethane	ND	ND	1 µg/g	0.0	< 20	Acceptable	

**Abbreviations**

ND- None Detected at or above MRL  
 RPD- Relative Percent Difference  
 LOQ- Limit of Quantitation  
 Q1- Quality control result biased/high. Only non-detect samples reported.

**Units of Measure:**

µg/g- Microgram per gram or ppm



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Laboratory Pesticide Quality Control Results

AOAC2007.1 & EN 15662		Units: mg/Kg			Batch ID 2301466			
Method Bank	Laboratory Control Sample							
Analyte	Blank Result	Blank Limits	Notes	LCS Result	LCS Spk	LCS % Re	Limits	Notes
Abamectin	0.000	< 0.250		0.996	1.000	99.6	50.0	150
Acephate	0.000	< 0.200		0.800	0.800	100.1	60.0	120
Acetamiprid	0.000	< 1.000		3.920	4.000	98.0	40.0	160
Acetamiprid	0.000	< 0.100		0.409	0.400	102.2	60.0	120
Aldicarb	0.000	< 0.200		0.816	0.800	102.0	60.0	120
Azoxystrobin	0.000	< 0.100		0.407	0.400	101.8	60.0	120
Bifenazate	0.000	< 0.100		0.431	0.400	107.6	60.0	120
Bifenthrin	0.000	< 0.100		0.362	0.400	90.6	50.0	150
Boscalid	0.000	< 0.200		0.768	0.800	95.9	60.0	120
Carbaryl	0.000	< 0.100		0.407	0.400	101.6	60.0	120
Carbofuran	0.000	< 0.100		0.412	0.400	103.0	60.0	120
Chlorantraniliprole	0.000	< 0.100		0.393	0.400	98.3	60.0	120
Chlorfenapyr	0.000	< 0.500		2.068	2.000	103.4	60.0	120
Chlorpyrifos	0.000	< 0.100		0.407	0.400	101.8	60.0	120
Clofentazine	0.000	< 0.100		0.373	0.400	93.3	60.0	120
Cyfluthrin	0.000	< 0.500		1.930	2.000	96.5	50.0	150
Cypermethrin	0.000	< 0.500		1.935	2.000	96.7	50.0	150
Daminozide	0.000	< 0.500		0.719	2.000	35.9	60.0	120
Diazinon	0.000	< 0.100		0.403	0.400	100.8	60.0	120
Dichlorvos	0.000	< 0.500		1.979	2.000	98.9	60.0	120
Dimethoate	0.000	< 0.100		0.415	0.400	103.8	60.0	120
Ethoprophos	0.000	< 0.100		0.403	0.400	100.8	60.0	120
Etofenprox	0.000	< 0.200		0.764	0.800	95.5	50.0	150
Etoxazole	0.000	< 0.100		0.411	0.400	102.7	60.0	120
Fenoxycarb	0.000	< 0.100		0.415	0.400	103.6	60.0	120
Fenpyroximate	0.000	< 0.200		0.790	0.800	98.8	60.0	120
Fipronil	0.000	< 0.200		0.817	0.800	102.1	60.0	120
Fonicamid	0.000	< 0.250		1.067	1.000	106.7	60.0	120
Fludioxonil	0.000	< 0.200		0.787	0.800	98.4	50.0	150
Hexythiazox	0.000	< 0.250		1.015	1.000	101.5	60.0	120
Imazalil	0.000	< 0.100		0.410	0.400	102.5	60.0	120
Imidacloprid	0.000	< 0.200		0.814	0.800	101.8	60.0	120
Kresoxim-methyl	0.000	< 0.200		0.806	0.800	100.8	60.0	120
Malathion	0.000	< 0.100		0.396	0.400	99.1	60.0	120
Metaxalyl	0.000	< 0.100		0.409	0.400	102.3	60.0	120
Methiocarb	0.000	< 0.100		0.397	0.400	99.3	60.0	120
Methomyl	0.000	< 0.200		0.819	0.800	102.4	60.0	120
MGK-264	0.000	< 0.100		0.420	0.400	104.9	50.0	150
Myclobutanil	0.000	< 0.100		0.398	0.400	99.6	60.0	120
Naled	0.000	< 0.250		0.999	1.000	99.9	50.0	150
Oxamyl	0.000	< 0.500		2.184	2.000	109.2	60.0	120
Pacllobutrazole	0.000	< 0.200		0.822	0.800	102.8	60.0	120
Parathion-Methyl	0.000	< 0.100		0.387	0.400	96.8	50.0	150
Permethrin	0.000	< 0.100		0.363	0.400	90.8	50.0	150
Phosmet	0.000	< 0.100		0.404	0.400	100.9	50.0	150
Piperonyl butoxide	0.000	< 0.500		2.187	2.000	109.4	60.0	120
Prallethrin	0.000	< 0.100		0.395	0.400	98.8	60.0	120
Propiconazole	0.000	< 0.200		0.814	0.800	101.7	60.0	120
Propoxur	0.000	< 0.100		0.431	0.400	107.6	60.0	120
Pyrethrin (Summe)	0.000	< 0.100		0.482	0.488	98.8	60.0	120
Pyridaben	0.000	< 0.100		0.398	0.400	99.6	50.0	150
Spinosad	0.000	< 0.100		0.383	0.388	98.7	50.0	150
Spiromesifen	0.000	< 0.100		0.389	0.400	97.3	60.0	120
Spirotetramat	0.000	< 0.100		0.405	0.400	101.3	60.0	120
Spiroxamine	0.000	< 0.200		0.808	0.800	101.0	60.0	120
Tebuconazole	0.000	< 0.200		0.817	0.800	102.1	60.0	120
Thiacloprid	0.000	< 0.100		0.407	0.400	101.7	60.0	120
Thiamethoxam	0.000	< 0.100		0.435	0.400	108.7	60.0	120
Trifloxystrobin	0.000	< 0.100		0.418	0.400	104.5	60.0	120

Q6

Test results relate only to the parameters tested and to the samples as received by the laboratory. Test results meet all requirements of NELAP and the Columbia Laboratories quality assurance plan unless otherwise noted. This report shall not be reproduced, except in full, without the written consent of this laboratory. Samples will be retained for a maximum of 30 days from the receipt date unless prior arrangements have been made.

Testing in accordance with: OAR 333-007-0400 OAR 333-007-0410 OAR 333-007-0430



12423 NE Whitaker Way  
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503-254-1794



Report Number: 23-001779/D002.R000  
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Laboratory Pesticide Quality Control Results

AOAC2007.1 & EN 15662		Units: mg/Kg					Batch ID 2301466			
Matrix Spke/Matrix Spke Duplicate Recoveries	Result	MS Res	MSD Res	Spike	RFD%	Limit	MS % Re	MSD % Re	Limits	Notes
Abamectin	0.000	0.937	0.968	1.000	3.3%	< 30	93.7%	96.8%	50 - 150	
Acephate	0.000	0.764	0.835	0.800	8.8%	< 30	95.5%	104.4%	50 - 150	
Acetaminocyl	0.000	4.185	4.430	4.000	5.7%	< 30	104.6%	110.7%	50 - 150	
Acetamiprid	0.000	0.422	0.424	0.400	0.6%	< 30	105.4%	106.1%	50 - 150	
Aldicarb	0.000	0.804	0.819	0.800	1.8%	< 30	100.5%	102.3%	50 - 150	
Azoxystrobin	0.000	0.397	0.369	0.400	7.4%	< 30	99.2%	92.1%	50 - 150	
Bifenazate	0.000	0.410	0.407	0.400	0.7%	< 30	102.4%	101.6%	50 - 150	
Bifenthrin	0.000	0.370	0.385	0.400	3.9%	< 30	92.6%	96.3%	50 - 150	
Boscalid	0.000	0.781	0.767	0.800	1.9%	< 30	97.7%	95.8%	50 - 150	
Carbaryl	0.000	0.383	0.397	0.400	3.5%	< 30	95.8%	99.2%	50 - 150	
Carbofuran	0.000	0.391	0.408	0.400	4.4%	< 30	97.8%	102.1%	50 - 150	
Chlorantraniliprole	0.000	0.398	0.382	0.400	4.3%	< 30	99.6%	95.4%	50 - 150	
Chlorfenapyr	0.000	1.922	2.013	2.000	4.7%	< 30	96.1%	100.7%	50 - 150	
Chlorpyrifos	0.000	0.373	0.379	0.400	1.5%	< 30	93.3%	94.7%	50 - 150	
Clofentezine	0.000	0.321	0.314	0.400	2.1%	< 30	80.2%	78.6%	50 - 150	
Cyfluthrin	0.000	2.185	2.168	2.000	0.8%	< 30	109.2%	108.4%	30 - 150	
Cypermethrin	0.000	2.206	2.206	2.000	0.0%	< 30	110.3%	110.3%	50 - 150	
Daminozide	0.000	0.663	0.730	2.000	9.7%	< 30	33.1%	36.5%	30 - 150	
Diazinon	0.000	0.376	0.380	0.400	1.1%	< 30	93.9%	95.0%	50 - 150	
Dichlorvos	0.000	2.069	2.003	2.000	3.2%	< 30	103.4%	100.1%	50 - 150	
Dimethoate	0.000	0.400	0.407	0.400	1.6%	< 30	100.0%	101.7%	50 - 150	
Ethoprophos	0.000	0.402	0.414	0.400	3.2%	< 30	100.4%	103.6%	50 - 150	
Etofenprox	0.000	0.767	0.816	0.800	6.2%	< 30	95.9%	102.0%	50 - 150	
Etoxazole	0.000	0.396	0.414	0.400	4.5%	< 30	98.9%	103.4%	50 - 150	
Fenoxycarb	0.000	0.399	0.392	0.400	1.8%	< 30	99.8%	98.1%	50 - 150	
Fenpyroximate	0.005	0.762	0.777	0.800	1.9%	< 30	94.7%	96.5%	50 - 150	
Fipronil	0.000	0.795	0.817	0.800	2.8%	< 30	99.3%	102.2%	50 - 150	
Fonicamid	0.000	1.052	1.065	1.000	1.2%	< 30	105.2%	106.5%	50 - 150	
Fludioxonil	0.000	0.776	0.794	0.800	2.3%	< 30	97.0%	99.3%	50 - 150	
Hexythiazox	0.000	1.360	1.375	1.000	1.1%	< 30	136.0%	137.5%	50 - 150	
Imazalil	0.000	0.405	0.394	0.400	2.7%	< 30	101.2%	98.5%	50 - 150	
Imidacloprid	0.000	0.721	0.753	0.800	4.3%	< 30	90.1%	94.1%	50 - 150	
Kresoxim-methyl	0.001	0.799	0.776	0.800	2.9%	< 30	99.6%	96.8%	50 - 150	
Malathion	0.000	0.391	0.387	0.400	1.0%	< 30	97.7%	96.8%	50 - 150	
Metaxalyl	0.000	0.405	0.408	0.400	0.6%	< 30	101.3%	101.9%	50 - 150	
Methiocarb	0.000	0.393	0.395	0.400	0.7%	< 30	98.2%	98.8%	50 - 150	
Methomyl	0.000	0.835	0.858	0.800	2.8%	< 30	104.4%	107.3%	50 - 150	
MGK-264	0.007	0.412	0.413	0.400	0.4%	< 30	101.1%	101.5%	50 - 150	
Myclobutanil	0.000	0.385	0.382	0.400	0.8%	< 30	96.3%	95.5%	50 - 150	
Naled	0.000	0.988	0.988	1.000	0.0%	< 30	98.8%	98.8%	50 - 150	
Oxamyl	0.000	2.130	1.934	2.000	9.6%	< 30	106.5%	96.7%	50 - 150	
Paclobutrazole	0.000	0.821	0.852	0.800	3.7%	< 30	102.7%	106.5%	50 - 150	
Parathion-Methyl	0.001	0.404	0.390	0.400	3.7%	< 30	100.9%	97.2%	30 - 150	
Permethrin	0.025	0.404	0.415	0.400	2.9%	< 30	94.6%	97.4%	50 - 150	
Phosmet	0.000	0.401	0.406	0.400	1.2%	< 30	100.3%	101.5%	50 - 150	
Piperonyl butoxide	0.000	2.125	2.169	2.000	2.1%	< 30	106.2%	108.5%	50 - 150	
Prallethrin	0.000	0.392	0.400	0.400	2.0%	< 30	98.0%	100.0%	50 - 150	
Propiconazole	0.000	0.813	0.806	0.800	0.9%	< 30	101.7%	100.7%	50 - 150	
Propoxur	0.000	0.410	0.431	0.400	5.0%	< 30	102.5%	107.8%	50 - 150	
Pyrethrin (Summe)	0.002	0.472	0.471	0.488	0.1%	< 30	96.1%	96.0%	50 - 150	
Pyridaben	0.000	0.435	0.455	0.400	4.5%	< 30	108.7%	113.7%	50 - 150	
Spirosad	0.000	0.380	0.387	0.388	1.7%	< 30	97.9%	99.6%	50 - 150	
Spiromesifen	0.000	0.385	0.384	0.400	0.4%	< 30	96.2%	95.9%	50 - 150	
Spirotetramat	0.000	0.402	0.393	0.400	2.1%	< 30	100.5%	98.3%	50 - 150	
Spiroxamine	0.000	0.804	0.801	0.800	0.3%	< 30	100.5%	100.2%	50 - 150	
Tebuconazole	0.000	0.726	0.747	0.800	2.8%	< 30	90.8%	93.4%	50 - 150	
Thiacloprid	0.000	0.413	0.416	0.400	0.7%	< 30	103.1%	103.9%	50 - 150	
Thiamethoxam	0.000	0.424	0.433	0.400	2.0%	< 30	106.1%	108.3%	50 - 150	
Trifloxystrobin	0.000	0.417	0.407	0.400	2.6%	< 30	104.4%	101.7%	50 - 150	



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Explanation of QC Flag Comments:

Code	Explanation
Q	Matrix interferences affecting spike or surrogate recoveries.
Q1	Quality control result biased high. Only non-detect samples reported.
Q2	Quality control outside QC limits. Data considered estimate.
Q3	Sample concentration greater than four times the amount spiked.
Q4	Non-homogenous sample matrix, affecting RPD result and/or % recoveries.
Q5	Spike results above calibration curve.
Q6	Quality control outside QC limits. Data acceptable based on remaining QC.
R	Relative percent difference (RPD) outside control limit.
R1	RPD non-calculable, as sample or duplicate results are less than five times the LOQ.
R2	Sample replicates RPD non-calculable, as only one replicate is within the analytical range.
LOQ1	Quantitation level raised due to low sample volume and/or dilution.
LOQ2	Quantitation level raised due to matrix interference.
B	Analyte detected in method blank, but not in associated samples.
B1	The sample concentration is greater than 5 times the blank concentration.
B2	The sample concentration is less than 5 times the blank concentration.

PharmLabs San Diego Certificate of Analysis

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 ISO/IEC 17025:2017 Certification L17-427-1 | Accreditation #85368



Sample **O3DTST224\_AMBER\_D8 Distillate**

Sample ID <b>SD230329-008 (71349)</b>	Matrix <b>Concentrate (Inhalable Cannabis Good)</b>
Tested for <b>The Hemp Collect</b>	
Sampled <b>-</b>	Received <b>Mar 28, 2023</b>
	Reported <b>Apr 05, 2023</b>
Analyses executed <b>CAN+, RES, MIBIG, MTO, PES, HME, FVI</b>	

**Laboratory note:** The estimated concentration of the unknown peak in the sample is 6.60%. Currently PharmLabs laboratory can not confirm an unidentified peak in your chromatogram due to interference (only with highly concentrated D8 products) from which we believe to be either (+)-8-THC or d9-THC. At this time there are no reference standards available for (+)-8-THC. (+)-8-THC is a different compound from the main (-)-8-THC cannabinoid and, therefore, these two compounds may have different efficacies. Using the most advanced instruments and techniques available, the separation of (+)-8-THC and d9-THC is problematic for the scientific community as a whole. PharmLabs believes the unidentified peak to be a combination of (+)-8-THC and d9-THC with the majority, if not all, of the concentration being (+)-8-THC. Total (+/-) D8 Concentration is estimated to be: 94.56%

**CAN+ - Cannabinoids Analysis**

Analyzed **Apr 04, 2023** | Instrument **HPLC-VWD** | Method **SOP-001**  
 The expanded Uncertainty of the Cannabinoid analysis is approximately **±7.806%** at the 95% Confidence Level

Analyte	LOD mg/g	LOQ mg/g	Result %	Result mg/g
Cannabidiol (CBD)	0.039	0.16	ND	ND
Cannabidiolic Acid (CBDA)	0.001	0.16	ND	ND
Cannabigerol Acid (CBGA)	0.001	0.16	ND	ND
Cannabigerol (CBG)	0.001	0.16	ND	ND
Cannabidiol (CBD)	0.001	0.16	ND	ND
Tetrahydrocannabinol (THCV)	0.001	0.16	ND	ND
Cannabinol (CBN)	0.001	0.16	ND	ND
Tetrahydrocannabinol (Δ9-THC)	0.003	0.16	UI	UI
Δ8-tetrahydrocannabinol (Δ8-THC)	0.004	0.16	94.56	945.60
Cannabicyclol (CBL)	0.002	0.16	ND	ND
Cannabichromene (CBC)	0.002	0.16	ND	ND
Tetrahydrocannabinolic Acid (THCA)	0.001	0.16	ND	ND
<b>Total THC ( THCa * 0.877 + Δ9THC )</b>			ND	ND
<b>Total THC + Δ8THC ( THCa * 0.877 + Δ9THC + Δ8THC )</b>			94.56	945.60
<b>Total CBD ( CBDA * 0.877 + CBD )</b>			ND	ND
<b>Total CBG ( CBGA * 0.877 + CBG )</b>			ND	ND
<b>Total Cannabinoids</b>			94.56	945.60

**HME - Heavy Metals Detection Analysis**

Analyzed **Apr 04, 2023** | Instrument **ICP/MSMS** | Method **SOP-005**

Analyte	LOD ug/g	LOQ ug/g	Result ug/g	Limit ug/g	Analyte	LOD ug/g	LOQ ug/g	Result ug/g	Limit ug/g
Arsenic (As)	0.0002	0.0005	ND	0.2	Cadmium (Cd)	3.0e-05	0.0005	ND	0.2
Mercury (Hg)	1.0e-05	0.0001	ND	0.1	Lead (Pb)	1.0e-05	0.00125	ND	0.5

**MIBIG - Microbial Testing Analysis**

Analyzed **Mar 31, 2023** | Instrument **qPCR and/or Plating** | Method **SOP-007**

Analyte	Result CFU/g	Limit	Analyte	Result CFU/g	Limit
Shiga toxin-producing Escherichia Coli	ND	ND per 1 gram	Salmonella spp.	ND	ND per 1 gram
Aspergillus fumigatus	ND	ND per 1 gram	Aspergillus flavus	ND	ND per 1 gram
Aspergillus niger	ND	ND per 1 gram	Aspergillus terreus	ND	ND per 1 gram

**MTO - Mycotoxin Testing Analysis**

Analyzed **Apr 04, 2023** | Instrument **LC/MSMS** | Method **SOP-004**

Analyte	LOD ug/kg	LOQ ug/kg	Result ug/kg (ppb)	Limit ug/kg	Analyte	LOD ug/kg	LOQ ug/kg	Result ug/kg (ppb)	Limit ug/kg
Ochratoxin A	5.0	20.0	ND	20	Aflatoxin B1	2.5	5.0	ND	-
Aflatoxin B2	2.5	5.0	ND	-	Aflatoxin G1	2.5	5.0	ND	-
Aflatoxin G2	2.5	5.0	ND	-	Total Aflatoxins	10.0	20.0	ND	20

UI Not Identified  
 ND Not Detected  
 N/A Not Applicable  
 NT Not Reported  
 LOD Limit of Detection  
 LOQ Limit of Quantification  
 <LOQ Detected  
 >ULOL Above upper limit of linearity  
 CFU/g Colony Forming Units per 1 gram  
 TNTC Too Numerous to Count



Scan the QR code to verify authenticity.

Authorized Signature

*Brandon Starr*

Brandon Starr, Lab Manager  
 Wed, 05 Apr 2023 10:13:00 -0700

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PES - Pesticides Screening Analysis

Analyzed Apr 04, 2023 | Instrument LC/MSMS GC/MSMS | Method SOP-003

Analyte	LOD ug/g	LOQ ug/g	Result ug/g	Limit ug/g	Analyte	LOD ug/g	LOQ ug/g	Result ug/g	Limit ug/g
Aldicarb	0.0078	0.02	ND	0.0078	Carbofuran	0.01	0.02	ND	0.01
Dimethoate	0.01	0.02	ND	0.01	Etofenprox	0.02	0.1	ND	0.02
Fenoxycarb	0.01	0.02	ND	0.01	Thiachloprid	0.01	0.02	ND	0.01
Daminozide	0.01	0.03	ND	0.01	Dichlorvos	0.02	0.07	ND	0.02
Imazail	0.02	0.07	ND	0.02	Methiocarb	0.01	0.02	ND	0.01
Spiroxamine	0.01	0.02	ND	0.01	Coumaphos	0.01	0.02	ND	0.01
Fipronil	0.01	0.1	ND	0.01	Paclbutrazol	0.01	0.03	ND	0.01
Chlorpyrifos	0.01	0.04	ND	0.01	Ethoprophos (Prophos)	0.01	0.02	ND	0.01
Baygon (Propoxur)	0.01	0.02	ND	0.01	Chlordane	0.04	0.1	ND	0.04
Chlorfenapyr	0.03	0.1	ND	0.03	Methyl Parathion	0.02	0.1	ND	0.02
Mevinphos	0.05	0.08	ND	0.03	Abamectin	0.03	0.08	ND	0.1
Acephate	0.02	0.05	ND	0.1	Acetamidrid	0.01	0.05	ND	0.1
Azoxystrobin	0.01	0.02	ND	0.1	Bifenazate	0.01	0.05	ND	0.1
Bifenthrin	0.02	0.35	ND	3	Boscalid	0.01	0.03	ND	0.1
Carbaryl	0.01	0.02	ND	0.5	Chlorantraniliprole	0.01	0.04	ND	10
Clofentazine	0.01	0.03	ND	0.1	Diazinon	0.01	0.02	ND	0.1
Dimethomorph	0.02	0.06	ND	2	Etoxazole	0.01	0.05	ND	0.1
Fenpyroximate	0.02	0.1	ND	0.1	Fonicamid	0.01	0.02	ND	0.1
Fludioxonil	0.01	0.05	ND	0.1	Hexythiazox	0.01	0.03	ND	0.1
Imidacloprid	0.01	0.05	ND	5	Kresoxim-methyl	0.01	0.03	ND	0.1
Malathion	0.01	0.05	ND	0.5	Metalaxyl	0.01	0.02	ND	2
Methomyl	0.02	0.05	ND	1	Myclobutanil	0.02	0.07	ND	0.1
Naled	0.01	0.02	ND	0.1	Oxamyl	0.01	0.02	ND	0.5
Permethrin	0.01	0.02	ND	0.5	Phosmet	0.01	0.02	ND	0.1
Piperonyl Butoxide	0.02	0.06	ND	3	Propiconazole	0.03	0.08	ND	0.1
Prallethrin	0.02	0.05	ND	0.1	Pyrethrin	0.05	0.41	ND	0.5
Pyridaben	0.02	0.07	ND	0.1	Spinosad A	0.01	0.05	ND	0.1
Spinosad D	0.01	0.05	ND	0.1	Spiromesifen	0.02	0.06	ND	0.1
Spirotetramat	0.01	0.02	ND	0.1	Tebuconazole	0.01	0.02	ND	0.1
Thiamethoxam	0.01	0.02	ND	5	Trifloxystrobin	0.01	0.02	ND	0.1
Acequinocyl	0.02	0.09	ND	0.1	Captan	0.01	0.02	ND	0.7
Cypermethrin	0.02	0.1	ND	1	Cyfluthrin	0.04	0.1	ND	2
Fenhexamid	0.02	0.07	ND	0.1	Spinetoram J.L	0.02	0.07	ND	0.1
Pentachloronitrobenzene	0.01	0.1	ND	0.1					

RES - Residual Solvents Testing Analysis

Analyzed Apr 04, 2023 | Instrument GC/FID with Headspace Analyzer | Method SOP-006

Analyte	LOD ug/g	LOQ ug/g	Result ug/g	Limit ug/g	Analyte	LOD ug/g	LOQ ug/g	Result ug/g	Limit ug/g
Propane (Prop)	0.4	40.0	ND	5000.0	Butane (But)	0.4	40.0	ND	5000.0
Methanol (Metha)	0.4	40.0	ND	3000.0	Ethylene Oxide (EthOx)	0.4	0.8	ND	1.0
Pentane (Pen)	0.4	40.0	ND	5000.0	Ethanol (Ethan)	0.4	40.0	ND	5000.0
Ethyl Ether (EthEt)	0.4	40.0	ND	5000.0	Acetone (Acet)	0.4	40.0	ND	5000.0
Isopropanol (2-Pro)	0.4	40.0	ND	5000.0	Acetonitrile (Acetonit)	0.4	40.0	ND	410.0
Methylene Chloride (MetCh)	0.4	0.8	1.0	1.0	Hexane (Hex)	0.4	40.0	ND	290.0
Ethyl Acetate (EthAc)	0.4	40.0	ND	5000.0	Chloroform (Clo)	0.4	0.8	ND	1.0
Benzene (Ben)	0.4	0.8	ND	1.0	1-2-Dichloroethane (12-Dich)	0.4	0.8	ND	1.0
Heptane (Hep)	0.4	40.0	ND	5000.0	Trichloroethylene (TriClEtH)	0.4	0.8	ND	1.0
Toluene (Toluene)	0.4	40.0	ND	890.0	Xylenes (Xyl)	0.4	40.0	ND	2170.0

FVI - Filth & Foreign Material Inspection Analysis

Analyzed Mar 30, 2023 | Instrument Microscope | Method SOP-010

Analyte / Limit	Result	Analyte / Limit	Result
> 1/4 of the total sample area covered by sand, soil, cinders, or dirt	ND	> 1/4 of the total sample area covered by mold	ND
> 1 insect fragment, 1 hair, or 1 count mammalian excreta per 3g	ND	> 1/4 of the total sample area covered by an imbedded foreign material	ND

UI Not Identified  
 ND Not Detected  
 N/A Not Applicable  
 NT Not Reported  
 LOD Limit of Detection  
 LOQ Limit of Quantification  
 <LOQ Detected  
 >ULOL Above upper limit of linearity  
 CFU/g Colony Forming Units per 1 gram  
 TNTC Too Numerous to Count



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Authorized Signature

*Brandon Starr*

Brandon Starr, Lab Manager  
 Wed, 05 Apr 2023 10:13:00 -0700

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