

# Hemp Quality Assurance Testing CERTIFICATE OF ANALYSIS

**DATE ISSUED 04/22/2025** 

#### SAMPLE DETAILS

**SAMPLE NAME: Birdie Grapefruit Twist** 

Beverage, Liquid Edible

**CULTIVATOR / MANUFACTURER** 

Business Name: License Number:

Address:

SAMPLE DETAIL

**Batch Number:** 2583203 **Sample ID:** 250327L027

**DISTRIBUTOR / TESTED FOR** 

Business Name: Wild State Cider

License Number:

Address:

**Date Collected:** 03/27/2025 **Date Received:** 03/27/2025

Batch Size:

Sample Size: 1.0 units

Unit Mass: 355 milliliters per Unit Serving Size: 177 milliliters per Serving SATE GRAPENIT TWIST





Scan QR code to verify authenticity of results.

#### **CANNABINOID ANALYSIS - SUMMARY**

Total THC: 10.6855 mg/unit

**Total CBD: Not Detected** 

Sum of Cannabinoids: 11.0050 mg/unit

Total Cannabinoids: 11.0050 mg/unit

Total THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during the decarboxylation step: Total THC =  $\Delta^{0}$ -THC + (THCa (0.877)) Total CBD = CBD + (CBDa (0.877))

Sum of Cannabinoids =  $\Delta^9$ -THC + THCa + CBD + CBDa + CBG + CBGa + THCV + THCVa + CBC + CBCa + CBDV + CBDVa +  $\Delta^8$ -THC + CBL + CBN Total Cannabinoids =  $(\Delta^9$ -THC+0.877\*THCa) + (CBD+0.877\*CBDa) + (CBG+0.877\*CBGa) + (THCV+0.877\*THCVa) + (CBC+0.877\*CBCa) +

(CBDV+0.877\*CBDVa) +  $\Delta^8$ -THC + CBL + CBN

Density: 1.0278 g/mL

#### **SAFETY ANALYSIS - SUMMARY**

 $\Delta^9$ -THC per Unit:  $\bigcirc$  PASS

Pesticides: PASS

Mycotoxins: PASS

Residual Solvents: PASS

Heavy Metals: PASS

Microbiology (PCR): PASS

Microbiology (Plating): ND

For quality assurance purposes. Not a Regulatory Hemp Lab Test Report. These results relate only to the sample included on this report. This report shall not be reproduced, except in full, without written approval of the laboratory.

Sample Certification: California Code of Regulations Title 4 Division 19. Department of Cannabis Control Business and Professions Code. Reference: Sections 26100, 26104 and 26110, Business and Professions Code.

**Decision Rule:** Statements of conformity (e.g. Pass/Fail) to specifications are made in this report without taking measurement uncertainty into account. Where statements of conformity are made in this report, the following decision rules are applied: PASS - Results within limits/specifications, FAIL - Results exceed limits/specifications.

 $\label{eq:continuous} \textbf{References:} \ \ \text{limit of detection (LOD), limit of quantification (LOQ), not detected (ND), not tested (NT), } \\ \mu g/g = ppm, \\ \mu g/kg = ppb, \\ \text{too numerous to count} > 250 \ \ \text{cfu/plate (TNTC), colony-forming unit (cfu)} \\ \end{cases}$ 

LQC verified by: Josh Antunovich Job Title: Laboratory Director Date: 04/22/2025 Approved by: Josh Wurzer Job Title: Chief Compliance Officer Date: 04/22/2025

Amendment to Certificate of Analysis 250327L027-001







# Cannabinoid Analysis

Tested by high-performance liquid chromatography with diode-array detection (HPLC-DAD).

Method: QSP 1157 - Analysis of Cannabinoids by HPLC-DAD

TOTAL THC: 10.6855 mg/unit

Total THC (Δ<sup>9</sup>-THC+0.877\*THCa)

**TOTAL CBD: Not Detected** 

Total CBD (CBD+0.877\*CBDa)

TOTAL CANNABINOIDS: 11.0050 mg/unit

 $\begin{array}{l} Total \ Cannabinoids \ (Total \ THC) + (Total \ CBD) + \\ (Total \ CBG) + (Total \ THCV) + (Total \ CBC) + \\ (Total \ CBDV) + \Delta^8 - THC + CBL + CBN \end{array}$ 

**TOTAL CBG: ND** 

Total CBG (CBG+0.877\*CBGa)

TOTAL THCV: ND

Total THCV (THCV+0.877\*THCVa)

TOTAL CBC: <LOQ
Total CBC (CBC+0.877\*CBCa)

**TOTAL CBDV: ND** 

Total CBDV (CBDV+0.877\*CBDVa)

#### **CANNABINOID TEST RESULTS - 03/28/2025**

COMPOUND	LOD/LOQ (mg/mL)	MEASUREMENT UNCERTAINTY (mg/mL)	RESULT (mg/mL)	RESULT (%)
Δ <sup>9</sup> -THC	0.0001 / 0.0005	±0.00165	0.0301	0.00293
CBN	0.0001 / 0.0003	±0.00003	0.0009	0.00009
СВС	0.0001 / 0.0004	N/A	<loq< th=""><th><loq< th=""></loq<></th></loq<>	<loq< th=""></loq<>
$\Delta^8$ -THC	0.0003 / 0.0008	N/A	ND	ND
THCa	0.0001 / 0.0002	N/A	ND	ND
THCV	0.0001 / 0.0005	N/A	ND	ND
THCVa	0.0001 / 0.0007	N/A	ND	ND
CBD	0.0001 / 0.0004	N/A	ND	ND
CBDa	0.0001 / 0.0010	N/A	ND	ND
CBDV	0.0001 / 0.0005	N/A	ND	ND
CBDVa	0.0001 / 0.0007	N/A	ND	ND
CBG	0.0001 / 0.0002	N/A	ND	ND
CBGa	0.0001 / 0.0003	N/A	ND	ND
CBL	0.0001 / 0.0004	N/A	ND	ND
CBCa	0.0001 / 0.0006	N/A	ND	ND
SUM OF CANNA	BINOIDS		0.0310 mg/mL	0.00302%

#### Unit Mass: 355 milliliters per Unit / Serving Size: 177 milliliters per Serving

$\Delta^9$ -THC per Unit	110 per-package limit	10.6855 mg/unit	PASS
$\Delta^9$ -THC per Serving		5.3277 mg/serving	
Total THC per Unit		10.6855 mg/unit	
Total THC per Serving		5.3277 mg/serving	
CBD per Unit		ND	
CBD per Serving		ND	
Total CBD per Unit		ND	
Total CBD per Serving		ND	
Sum of Cannabinoids per Unit		11.0050 mg/unit	
Sum of Cannabinoids per Serving	5.4870 mg/serving		
Total Cannabinoids per Unit	11.0050 mg/unit		
Total Cannabinoids per Serving		5.4870 mg/serving	

#### **DENSITY TEST RESULT**

1.0278 g/mL

Tested 03/28/2025

**Method:** QSP 7870 - Sample Preparation







## **Pesticide Analysis**

Pesticide and plant growth regulator analysis utilizing high-performance liquid chromatography-mass spectrometry (HPLC-MS) or gas chromatography-mass spectrometry (GC-MS). ‡Analytes part of our California Select Panel.

\*GC-MS utilized where indicated.

**Method:** QSP 1212 - Analysis of Pesticides and Mycotoxins by LC-MS or QSP 1213 - Analysis of Pesticides by GC-MS

#### PESTICIDE TEST RESULTS - 04/19/2025 PASS

Abamectin         0.032 / 0.097         0.3         N/A         ND         PASS           Acepulate         0.006 / 0.018         5         N/A         ND         PASS           Acequinocyl         0.009 / 0.027         4         N/A         ND         PASS           Acetamiprid         0.016 / 0.049         5         N/A         ND         PASS           Aldicarb         0.030 / 0.092         N/A         ND         PASS           Allethrin         0.030 / 0.092         N/A         ND           Atrazine         0.006 / 0.019         N/A         ND           Azadirachtin         0.082 / 0.248         N/A         ND           Azoxystrobin         0.003 / 0.009         40         N/A         ND           Benzovindiflupyr         0.003 / 0.009         5         N/A         ND         PASS           Benzovindiflupyr         0.003 / 0.009         5         N/A         ND         PASS           Bifenthrin         0.021 / 0.064         0.5         N/A         ND         PASS           Boscalid         0.003 / 0.009         10         N/A         ND         PASS           Buprofezin¹         0.006 / 0.013         5         N/A	COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (μg/g)	MEASUREMENT UNCERTAINTY (μg/g)	RESULT (µg/g)	RESULT
Acequinocyl         0.009/0.027         4         N/A         ND         PASS           Acetamiprid         0.016/0.049         5         N/A         ND         PASS           Aldicarb         0.030/0.090         ≥ LOD         N/A         ND         PASS           Allethrin         0.030/0.092         N/A         ND         NA           Atrazine         0.006/0.019         N/A         ND         Azadirachtin         0.082/0.248         N/A         ND           Azadirachtin         0.082/0.248         N/A         ND         PASS           Benzovindiflupyr         0.003/0.009         40         N/A         ND         PASS           Benzovindiflupyr         0.003/0.009         5         N/A         ND         PASS           Bifenthrin         0.021/0.064         0.5         N/A         ND         PASS           Boscalid         0.003/0.009         10         N/A         ND         PASS           Boscalid         0.003/0.009         10         N/A         ND         PASS           Carbaryl         0.004/0.0135         5         N/A         ND         PASS           Carbaryl         0.007/0.020         0.5         N/A	Abamectin	0.032 / 0.097	0.3	N/A	ND	PASS
Acetamiprid         0.016/0.049         5         N/A         ND         PASS           Aldicarb         0.030/0.090         ≥ LOD         N/A         ND         PASS           Allethrin         0.030/0.092         N/A         ND         ND           Atrazine         0.006/0.019         N/A         ND         NA           Azadirachtin         0.082/0.248         N/A         ND         PASS           Benzovindiflupyr         0.003/0.009         40         N/A         ND         PASS           Benzovindiflupyr         0.003/0.009         5         N/A         ND         PASS           Bifenthrin         0.021/0.064         0.5         N/A         ND         PASS           Boscalid         0.003/0.009         10         N/A         ND         PASS           Buprofezin¹         0.006/0.019         N/A         ND         PASS           Carbanyl         0.007/0.020         0.5         N/A         ND         PASS           Carbanyl         0.007/0.020         0.5         N/A         ND         PASS           Chlorantraniliprole         0.006/0.018         40         N/A         ND         PASS           Chlordenapyr*	Acephate	0.006 / 0.018	5	N/A	ND	PASS
Aldicarb         0.030 / 0.090         ≥ LOD         N/A         ND         PASS           Allethrin         0.030 / 0.092         N/A         ND           Atrazine         0.006 / 0.019         N/A         ND           Azadirachtin         0.082 / 0.248         N/A         ND           Azoxystrobin         0.003 / 0.009         40         N/A         ND           Bifenazate         0.003 / 0.009         5         N/A         ND         PASS           Bifenthrin         0.021 / 0.064         0.5         N/A         ND         PASS           Boscalid         0.003 / 0.009         10         N/A         ND         PASS           Buprofezin†         0.006 / 0.019         N/A         ND         PASS           Buprofezin†         0.006 / 0.019         N/A         ND         PASS           Carbaryl         0.007 / 0.020         0.5         N/A         ND         PASS           Carbaryl         0.007 / 0.020         0.5         N/A         ND         PASS           Chlorantaniliprole         0.004 / 0.018         40         N/A         ND         PASS           Chlordan*         0.010 / 0.032         ≥ LOD         N/A         ND	Acequinocyl	0.009 / 0.027	4	N/A	ND	PASS
Allethrin         0.030/0.092         N/A         ND           Atrazine         0.006/0.019         N/A         ND           Azadirachtin         0.082/0.248         N/A         ND           Azoxystrobin         0.003/0.009         40         N/A         ND           Benzovindifflupyr         0.003/0.009         5         N/A         ND           Bifenzate         0.003/0.009         5         N/A         ND         PASS           Bifenthrin         0.021/0.064         0.5         N/A         ND         PASS           Boscalid         0.003/0.009         10         N/A         ND         PASS           Buprofezin¹         0.006/0.019         N/A         ND         PASS           Carban         0.045/0.135         5         N/A         ND         PASS           Carbaryl         0.007/0.020         0.5         N/A         ND         PASS           Carboryl         0.007/0.020         0.5         N/A         ND         PASS           Chlorantraniliprole         0.006/0.018         40         N/A         ND         PASS           Chlordane*         0.010/0.032         ≥ LOD         N/A         ND         PASS <th>Acetamiprid</th> <td>0.016 / 0.049</td> <td>5</td> <td>N/A</td> <td>ND</td> <td>PASS</td>	Acetamiprid	0.016 / 0.049	5	N/A	ND	PASS
Atrazine         0.006 / 0.019         N/A         ND           Azadirachtin         0.082 / 0.248         N/A         ND           Azoxystrobin         0.003 / 0.009         40         N/A         ND           Benzovindiflupyr         0.003 / 0.009         N/A         ND           Bifenazate         0.003 / 0.009         5         N/A         ND           Bifenthrin         0.021 / 0.064         0.5         N/A         ND         PASS           Bifenthrin         0.021 / 0.064         0.5         N/A         ND         PASS           Buprofezir¹         0.006 / 0.019         N/A         ND         PASS           Buprofezir¹         0.006 / 0.019         N/A         ND         PASS           Carbar         0.045 / 0.135         5         N/A         ND         PASS           Carbaryl         0.007 / 0.020         0.5         N/A         ND         PASS           Carbofuran         0.003 / 0.008         ≥ LOD         N/A         ND         PASS           Chloradare*         0.010 / 0.032         ≥ LOD         N/A         ND         PASS           Chlorfenapyr*         0.005 / 0.015         ≥ LOD         N/A         ND         P	Aldicarb	0.030 / 0.090	≥ LOD	N/A	ND	PASS
Azadirachtin         0.082/0.248         N/A         ND           Azoxystrobin         0.003/0.009         40         N/A         ND         PASS           Benzovindiflupyr         0.003/0.009         N/A         ND         PASS           Bifentazate         0.003/0.009         5         N/A         ND         PASS           Bifenthrin         0.021/0.064         0.5         N/A         ND         PASS           Boscalid         0.003/0.009         10         N/A         ND         PASS           Buprofezin¹         0.006/0.019         N/A         ND         PASS           Carbar         0.045/0.135         5         N/A         ND         PASS           Carbaryl         0.007/0.020         0.5         N/A         ND         PASS           Chlorantraniliprole         0.006/0.018         40         N/A         ND         PASS           Chlordane*         0.010/0.032         ≥ LOD         N/A         ND         PASS           Chlormequat chloride         0.022/0.066         N/A         ND         PASS           Chlormequat chloride         0.022/0.066         N/A         ND         PASS           Clofentezine         0.003/0.019	Allethrin	0.030 / 0.092		N/A	ND	
Azoxystrobin         0.003 / 0.009         40         N/A         ND         PASS           Benzovindiflupyr         0.003 / 0.009         N/A         ND         PASS           Bifenazate         0.003 / 0.009         5         N/A         ND         PASS           Bifenthrin         0.021 / 0.064         0.5         N/A         ND         PASS           Boscalid         0.003 / 0.009         10         N/A         ND         PASS           Buprofezin¹         0.006 / 0.019         N/A         ND         PASS           Carban         0.045 / 0.135         5         N/A         ND         PASS           Carboryl         0.007 / 0.020         0.5         N/A         ND         PASS           Carborturan         0.003 / 0.008         ≥ LOD         N/A         ND         PASS           Chloratraniliprole         0.004 / 0.018         40         N/A         ND         PASS           Chlordane*         0.010 / 0.032         ≥ LOD         N/A         ND         PASS           Chlorequat chloride         0.022 / 0.066         N/A         ND         PASS           Chlorepyfrios         0.013 / 0.039         ≥ LOD         N/A         ND <t< td=""><th>Atrazine</th><td>0.006 / 0.019</td><td></td><td>N/A</td><td>ND</td><td></td></t<>	Atrazine	0.006 / 0.019		N/A	ND	
Benzovindiflupyr         0.003 / 0.009         N/A         ND           Bifenazate         0.003 / 0.009         5         N/A         ND         PASS           Bifenthrin         0.021 / 0.064         0.5         N/A         ND         PASS           Boscalid         0.003 / 0.009         10         N/A         ND         PASS           Buprofezin¹         0.006 / 0.019         N/A         ND         PASS           Carban         0.045 / 0.135         5         N/A         ND         PASS           Carbaryl         0.007 / 0.020         0.5         N/A         ND         PASS           Carbofuran         0.003 / 0.008         ≥ LOD         N/A         ND         PASS           Chlorattraniliprole         0.006 / 0.018         40         N/A         ND         PASS           Chlordan**         0.010 / 0.032         ≥ LOD         N/A         ND         PASS           Chlordany**         0.005 / 0.015         ≥ LOD         N/A         ND         PASS           Chlordany**         0.002 / 0.066         N/A         ND         PASS           Chlorpyrifos         0.013 / 0.039         ≥ LOD         N/A         ND         PASS <tr< td=""><th>Azadirachtin</th><td>0.082 / 0.248</td><td></td><td>N/A</td><td>ND</td><td></td></tr<>	Azadirachtin	0.082 / 0.248		N/A	ND	
Bifenazate         0.003 / 0.009         5         N/A         ND         PASS           Bifenthrin         0.021 / 0.064         0.5         N/A         ND         PASS           Boscalid         0.003 / 0.009         10         N/A         ND         PASS           Buprofezin¹         0.006 / 0.019         N/A         ND         PASS           Captan         0.045 / 0.135         5         N/A         ND         PASS           Carbaryl         0.007 / 0.020         0.5         N/A         ND         PASS           Carbofuran         0.003 / 0.008         ≥ LOD         N/A         ND         PASS           Chlorantraniliprole         0.006 / 0.018         40         N/A         ND         PASS           Chlordane*         0.010 / 0.032         ≥ LOD         N/A         ND         PASS           Chlordenapyr*         0.005 / 0.015         ≥ LOD         N/A         ND         PASS           Chlormequat chloride         0.022 / 0.066         N/A         ND         PASS           Chlormequat chloride         0.022 / 0.066         N/A         ND         PASS           Clofentezine         0.003 / 0.009         0.5         N/A         ND	Azoxystrobin	0.003 / 0.009	40	N/A	ND	PASS
Bifenthrin         0.021/0.064         0.5         N/A         ND         PASS           Boscalid         0.003/0.009         10         N/A         ND         PASS           Buprofezin†         0.006/0.019         N/A         ND         PASS           Captan         0.045/0.135         5         N/A         ND         PASS           Carboryl         0.007/0.020         0.5         N/A         ND         PASS           Carbofuran         0.003/0.008         ≥ LOD         N/A         ND         PASS           Chlorantraniliprole         0.006/0.018         40         N/A         ND         PASS           Chlordane*         0.010/0.032         ≥ LOD         N/A         ND         PASS           Chlorfenapyr*         0.005/0.015         ≥ LOD         N/A         ND         PASS           Chlormequat chloride         0.022/0.066         N/A         ND         PASS           Clofentezine         0.003/0.039         ≥ LOD         N/A         ND         PASS           Clofentezine         0.003/0.009         0.5         N/A         ND         PASS           Clothianidin         0.003/0.010         ≥ LOD         N/A         ND         <	Benzovindiflupyr	0.003 / 0.009		N/A	ND	
Boscalid         0.003 / 0.009         10         N/A         ND         PASS           Buprofezin <sup>‡</sup> 0.006 / 0.019         N/A         ND         Captan         0.045 / 0.135         5         N/A         ND         PASS           Carbaryl         0.007 / 0.020         0.5         N/A         ND         PASS           Carbofuran         0.003 / 0.008         ≥ LOD         N/A         ND         PASS           Chlorantraniliprole         0.006 / 0.018         40         N/A         ND         PASS           Chlordane*         0.010 / 0.032         ≥ LOD         N/A         ND         PASS           Chlorfenapyr*         0.005 / 0.015         ≥ LOD         N/A         ND         PASS           Chlormequat chloride         0.022 / 0.066         N/A         ND         PASS           Clofentezine         0.003 / 0.039         ≥ LOD         N/A         ND         PASS           Clofentezine         0.003 / 0.025         N/A         ND         PASS           Clothianidin         0.008 / 0.025         N/A         ND         PASS           Cyantraniliprole         0.003 / 0.010         ≥ LOD         N/A         ND         PASS           Cyper	Bifenazate	0.003 / 0.009	5	N/A	ND	PASS
Buprofezin†         0.006 / 0.019         N/A         ND           Captan         0.045 / 0.135         5         N/A         ND         PASS           Carbaryl         0.007 / 0.020         0.5         N/A         ND         PASS           Carbofuran         0.003 / 0.008         ≥ LOD         N/A         ND         PASS           Chlorantraniliprole         0.006 / 0.018         40         N/A         ND         PASS           Chlordane*         0.010 / 0.032         ≥ LOD         N/A         ND         PASS           Chlordane*         0.005 / 0.015         ≥ LOD         N/A         ND         PASS           Chlormequat chloride         0.022 / 0.066         N/A         ND         PASS           Chlorpyrifos         0.013 / 0.039         ≥ LOD         N/A         ND         PASS           Clofentezine         0.003 / 0.099         0.5         N/A         ND         PASS           Clofentezine         0.003 / 0.009         0.5         N/A         ND         PASS           Clothianidin         0.008 / 0.025         N/A         ND         PASS           Cyprotiniliprole         0.003 / 0.010         N/A         ND         PASS	Bifenthrin	0.021 / 0.064	0.5	N/A	ND	PASS
Captan         0.045 / 0.135         5         N/A         ND         PASS           Carbaryl         0.007 / 0.020         0.5         N/A         ND         PASS           Carbofuran         0.003 / 0.008         ≥ LOD         N/A         ND         PASS           Chlorantraniliprole         0.006 / 0.018         40         N/A         ND         PASS           Chlordane*         0.010 / 0.032         ≥ LOD         N/A         ND         PASS           Chlordaneyr*         0.005 / 0.015         ≥ LOD         N/A         ND         PASS           Chlormequat chloride         0.022 / 0.066         N/A         ND         PASS           Chlorpyrifos         0.013 / 0.039         ≥ LOD         N/A         ND         PASS           Clofentezine         0.003 / 0.009         0.5         N/A         ND         PASS           Clothianidin         0.008 / 0.025         N/A         ND         PASS           Clothianidin         0.008 / 0.025         N/A         ND         PASS           Cyantraniliprole         0.003 / 0.010         N/A         ND         PASS           Cyprodinili         0.003 / 0.010         N/A         ND         PASS <t< td=""><th>Boscalid</th><td>0.003 / 0.009</td><td>10</td><td>N/A</td><td>ND</td><td>PASS</td></t<>	Boscalid	0.003 / 0.009	10	N/A	ND	PASS
Carbaryl         0.007/0.020         0.5         N/A         ND         PASS           Carbofuran         0.003/0.008         ≥ LOD         N/A         ND         PASS           Chlorantraniliprole         0.006/0.018         40         N/A         ND         PASS           Chlordane*         0.010/0.032         ≥ LOD         N/A         ND         PASS           Chlordane*         0.005/0.015         ≥ LOD         N/A         ND         PASS           Chlordane*         0.005/0.015         ≥ LOD         N/A         ND         PASS           Chlordane*         0.005/0.016         N/A         ND         PASS           Chlordane*         0.005/0.016         N/A         ND         PASS           Chlordane*         0.005/0.009         0.5         N/A         ND         PASS           Chlordane*         0.003/0.009         0.5         N/A         ND         PASS           Clofentezine         0.003/0.009         0.5         N/A         ND         PASS           Clofentezine         0.003/0.009         0.5         N/A         ND         PASS           Cyantraniliprole         0.003/0.010         N/A         ND         PASS	Buprofezin <sup>‡</sup>	0.006/0.019		N/A	ND	
Carbofuran         0.003/0.008         ≥ LOD         N/A         ND         PASS           Chlorantraniliprole         0.006/0.018         40         N/A         ND         PASS           Chlordane*         0.010/0.032         ≥ LOD         N/A         ND         PASS           Chlorfenapyr*         0.005/0.015         ≥ LOD         N/A         ND         PASS           Chlormequat chloride         0.022/0.066         N/A         ND         ND         PASS           Chlorpyrifos         0.013/0.039         ≥ LOD         N/A         ND         PASS           Clofentezine         0.003/0.009         0.5         N/A         ND         PASS           Clofentezine         0.003/0.009         0.5         N/A         ND         PASS           Clofentezine         0.003/0.001         ≥ LOD         N/A         ND         PASS           Clofentezine         0.003/0.0025         N/A         ND         PASS           Clothianidin         0.003/0.010         ≥ LOD         N/A         ND         PASS           Cyantraniliprole         0.003/0.010         N/A         ND         PASS         Cyantraniliprole         0.003/0.010         N/A         ND         PASS <th>Captan</th> <td>0.045 / 0.135</td> <td>5</td> <td>N/A</td> <td>ND</td> <td>PASS</td>	Captan	0.045 / 0.135	5	N/A	ND	PASS
Chlorantraniliprole         0.006/0.018         40         N/A         ND         PASS           Chlordane*         0.010/0.032         ≥ LOD         N/A         ND         PASS           Chlorfenapyr*         0.005/0.015         ≥ LOD         N/A         ND         PASS           Chlormequat chloride         0.022/0.066         N/A         ND         ND         PASS           Chlorpyrifos         0.013/0.039         ≥ LOD         N/A         ND         PASS           Clofentezine         0.003/0.009         0.5         N/A         ND         PASS           Clothianidin         0.008/0.025         N/A         ND         PASS           Coumaphos         0.003/0.010         ≥ LOD         N/A         ND         PASS           Cyfluthrin         0.052/0.159         1         N/A         ND         PASS           Cypremethrin         0.051/0.153         1         N/A         ND         PASS           Cyprodinil*         0.003/0.008         N/A         ND         PASS           Cyprodinil*         0.004/0.017         ≥ LOD         N/A         ND         PASS           Dilatinon         0.006/0.017         0.2         N/A         ND	Carbaryl	0.007 / 0.020	0.5	N/A	ND	PASS
Chlordane*         0.010/0.032         ≥ LOD         N/A         ND         PASS           Chlorfenapyr*         0.005/0.015         ≥ LOD         N/A         ND         PASS           Chlormequat chloride         0.022/0.066         N/A         ND           Chlorpyrifos         0.013/0.039         ≥ LOD         N/A         ND         PASS           Clofentezine         0.003/0.009         0.5         N/A         ND         PASS           Clothianidin         0.008/0.025         N/A         ND         PASS           Clothianidin         0.003/0.010         ≥ LOD         N/A         ND         PASS           Cyantraniliprole         0.003/0.010         N/A         ND         PASS           Cyfluthrin         0.052/0.159         1         N/A         ND         PASS           Cypremethrin         0.051/0.153         1         N/A         ND         PASS           Cyprodinil*         0.003/0.008         N/A         ND         PASS           Cyprodinil*         0.004/0.077         ≥ LOD         N/A         ND         PASS           Deltamethrin         0.059/0.180         N/A         ND         PASS           Dichlorvos (DDVP)	Carbofuran	0.003 / 0.008	≥LOD	N/A	ND	PASS
Chlorfenapyr*         0.005 / 0.015         ≥ LOD         N/A         ND         PASS           Chlormequat chloride         0.022 / 0.066         N/A         ND           Chlorpyrifos         0.013 / 0.039         ≥ LOD         N/A         ND         PASS           Clofentezine         0.003 / 0.009         0.5         N/A         ND         PASS           Clothianidin         0.008 / 0.025         N/A         ND         ND         PASS           Clothianidin         0.003 / 0.010         N/A         ND         PASS           Cyantraniliprole         0.003 / 0.010         N/A         ND         PASS           Cyfluthrin         0.052 / 0.159         1         N/A         ND         PASS           Cypremethrin         0.051 / 0.153         1         N/A         ND         PASS           Cyprodinil*         0.003 / 0.008         N/A         ND         PASS           Cyprodinil*         0.003 / 0.008         N/A         ND         PASS           Deltamethrin         0.059 / 0.180         N/A         ND         PASS           Dichlorvos (DDVP)         0.012 / 0.038         ≥ LOD         N/A         ND         PASS           Dimethomorph	Chlorantraniliprole	0.006 / 0.018	40	N/A	ND	PASS
Chlormequat chloride         0.022 / 0.066         N/A         ND           Chlorpyrifos         0.013 / 0.039         ≥ LOD         N/A         ND         PASS           Clofentezine         0.003 / 0.009         0.5         N/A         ND         PASS           Clothianidin         0.008 / 0.025         N/A         ND         ND         PASS           Coumaphos         0.003 / 0.010         N/A         ND         PASS           Cyantraniliprole         0.003 / 0.010         N/A         ND         PASS           Cyfluthrin         0.052 / 0.159         1         N/A         ND         PASS           Cypermethrin         0.051 / 0.153         1         N/A         ND         PASS           Cyprodinil*         0.003 / 0.008         N/A         ND         PASS           Cyprodinil*         0.003 / 0.008         N/A         ND         PASS           Deltamethrin         0.059 / 0.180         N/A         ND         PASS           Dicalioros (DDVP)         0.012 / 0.038         ≥ LOD         N/A         ND         PASS           Dimethoate         0.003 / 0.009         ≥ LOD         N/A         ND         PASS           Dimethomorph <t< td=""><th>Chlordane*</th><td>0.010 / 0.032</td><td>≥LOD</td><td>N/A</td><td>ND</td><td>PASS</td></t<>	Chlordane*	0.010 / 0.032	≥LOD	N/A	ND	PASS
Chlorpyrifos         0.013 / 0.039         ≥ LOD         N/A         ND         PASS           Clofentezine         0.003 / 0.009         0.5         N/A         ND         PASS           Clothianidin         0.008 / 0.025         N/A         ND         ND           Coumaphos         0.003 / 0.010         ≥ LOD         N/A         ND         PASS           Cyantraniliprole         0.003 / 0.010         N/A         ND         PASS           Cyfluthrin         0.052 / 0.159         1         N/A         ND         PASS           Cypermethrin         0.051 / 0.153         1         N/A         ND         PASS           Cyprodinil†         0.003 / 0.008         N/A         ND         PASS           Deltamethrin         0.059 / 0.180         N/A         ND         PASS           Diazinon         0.006 / 0.017         0.2         N/A         ND         PASS           Dichlorvos (DDVP)         0.012 / 0.038         ≥ LOD         N/A         ND         PASS           Dimethoate         0.003 / 0.009         ≥ LOD         N/A         ND         PASS           Dimethomorph         0.016 / 0.050         20         N/A         ND           <	Chlorfenapyr*	0.005 / 0.015	≥LOD	N/A	ND	PASS
Clofentezine         0.003 / 0.009         0.5         N/A         ND         PASS           Clothianidin         0.008 / 0.025         N/A         ND         ND           Coumaphos         0.003 / 0.010         ≥ LOD         N/A         ND         PASS           Cyantraniliprole         0.003 / 0.010         N/A         ND         ND         PASS           Cyfluthrin         0.052 / 0.159         1         N/A         ND         PASS           Cypremethrin         0.051 / 0.153         1         N/A         ND         PASS           Cyprodinil <sup>‡</sup> 0.003 / 0.008         N/A         ND         PASS           Deltamethrin         0.026 / 0.077         ≥ LOD         N/A         ND         PASS           Dichlorvos (DDVP)         0.012 / 0.038         ≥ LOD         N/A         ND         PASS           Dimethoate         0.003 / 0.009         ≥ LOD         N/A         ND         PASS           Dimethomorph         0.016 / 0.050         20         N/A         ND         PASS           Dinotefuran         0.010 / 0.030         N/A         ND         ND         PASS           Dinotefuran         0.012 / 0.035         N/A         ND	Chlormequat chloride	0.022 / 0.066		N/A	ND	
Clothianidin $0.008/0.025$ N/A         ND           Coumaphos $0.003/0.010$ ≥ LOD         N/A         ND         PASS           Cyantraniliprole $0.003/0.010$ N/A         ND         PASS           Cyfluthrin $0.052/0.159$ 1         N/A         ND         PASS           Cypermethrin $0.051/0.153$ 1         N/A         ND         PASS           Cyprodinil‡ $0.003/0.008$ N/A         ND         PASS           Cyprodinil‡ $0.003/0.008$ N/A         ND         PASS           Deltamethrin $0.059/0.180$ N/A         ND         PASS           Deltamethrin $0.059/0.180$ N/A         ND         PASS           Dichlorvos (DDVP) $0.012/0.038$ ≥ LOD         N/A         ND         PASS           Dimethoate $0.003/0.009$ ≥ LOD         N/A         ND         PASS           Dimethomorph $0.016/0.050$ 20         N/A         ND         PASS           Dinotefuran $0.010/0.030$ N/A         ND         ND           Diuron $0.013/0.040$ N/A<	Chlorpyrifos	0.013 / 0.039	≥LOD	N/A	ND	PASS
Coumaphos         0.003 / 0.010         ≥ LOD         N/A         ND         PASS           Cyantraniliprole         0.003 / 0.010         N/A         ND         ND           Cyfluthrin         0.052 / 0.159         1         N/A         ND         PASS           Cypermethrin         0.051 / 0.153         1         N/A         ND         PASS           Cyprodinil <sup>‡</sup> 0.003 / 0.008         N/A         ND         PASS           Cyprodinil <sup>‡</sup> 0.003 / 0.008         N/A         ND         PASS           Deltamethrin         0.026 / 0.077         ≥ LOD         N/A         ND         PASS           Deltamethrin         0.059 / 0.180         N/A         ND         PASS           Dichlorvos (DDVP)         0.012 / 0.038         ≥ LOD         N/A         ND         PASS           Dimethoate         0.003 / 0.009         ≥ LOD         N/A         ND         PASS           Dimethomorph         0.016 / 0.050         20         N/A         ND         PASS           Dinotefuran         0.010 / 0.030         N/A         ND         ND           Diuron         0.013 / 0.040         N/A         ND           Dodemorph         0.016 / 0.048<	Clofentezine	0.003 / 0.009	0.5	N/A	ND	PASS
Cyantraniliprole $0.003/0.010$ N/A         ND           Cyfluthrin $0.052/0.159$ 1         N/A         ND         PASS           Cypermethrin $0.051/0.153$ 1         N/A         ND         PASS           Cyprodinil‡ $0.003/0.008$ N/A         ND         ND         PASS           Daminozide $0.026/0.077$ ≥ LOD         N/A         ND         PASS           Deltamethrin $0.059/0.180$ N/A         ND         PASS           Dizainon $0.006/0.017$ $0.2$ N/A         ND         PASS           Dichlorvos (DDVP) $0.012/0.038$ ≥ LOD         N/A         ND         PASS           Dimethoate $0.003/0.009$ ≥ LOD         N/A         ND         PASS           Dimethomorph $0.016/0.050$ 20         N/A         ND         PASS           Dinotefuran $0.016/0.030$ N/A         ND         ND           Diuron $0.013/0.040$ N/A         ND           Dodemorph $0.016/0.048$ N/A         ND           Endosulfan sulfate $0.004/0.014$ N/A </td <th>Clothianidin</th> <td>0.008 / 0.025</td> <td></td> <td>N/A</td> <td>ND</td> <td></td>	Clothianidin	0.008 / 0.025		N/A	ND	
Cyfluthrin         0.052 / 0.159         1         N/A         ND         PASS           Cypermethrin         0.051 / 0.153         1         N/A         ND         PASS           Cyprodinil‡         0.003 / 0.008         N/A         ND         ND           Daminozide         0.026 / 0.077         ≥ LOD         N/A         ND         PASS           Deltamethrin         0.059 / 0.180         N/A         ND         ND         PASS           Dichlorvos (DDVP)         0.012 / 0.038         ≥ LOD         N/A         ND         PASS           Dimethoate         0.003 / 0.009         ≥ LOD         N/A         ND         PASS           Dimethomorph         0.016 / 0.050         20         N/A         ND         PASS           Dinotefuran         0.010 / 0.030         N/A         ND         ND           Diuron         0.013 / 0.040         N/A         ND           Dodemorph         0.012 / 0.035         N/A         ND           Endosulfan sulfate         0.016 / 0.048         N/A         ND           Endosulfan-α*         0.004 / 0.014         N/A         ND	Coumaphos	0.003/0.010	≥LOD	N/A	ND	PASS
Cypermethrin $0.051/0.153$ 1         N/A         ND         PASS           Cyprodinil† $0.003/0.008$ N/A         ND         ND           Daminozide $0.026/0.077$ ≥ LOD         N/A         ND         PASS           Deltamethrin $0.059/0.180$ N/A         ND         ND         PASS           Diazinon $0.006/0.017$ $0.2$ N/A         ND         PASS           Dichlorvos (DDVP) $0.012/0.038$ ≥ LOD         N/A         ND         PASS           Dimethoate $0.003/0.009$ ≥ LOD         N/A         ND         PASS           Dimethomorph $0.016/0.050$ 20         N/A         ND         PASS           Dinotefuran $0.010/0.030$ N/A         ND         ND           Diuron $0.013/0.040$ N/A         ND           Dodemorph $0.012/0.035$ N/A         ND           Endosulfan sulfate $0.016/0.048$ N/A         ND           Endosulfan-α* $0.004/0.014$ N/A         ND	Cyantraniliprole	0.003/0.010		N/A	ND	
Cyprodinil‡ $0.003/0.008$ N/A         ND           Daminozide $0.026/0.077$ ≥ LOD         N/A         ND         PASS           Deltamethrin $0.059/0.180$ N/A         ND         ND         PASS           Diazinon $0.006/0.017$ $0.2$ N/A         ND         PASS           Dichlorvos (DDVP) $0.012/0.038$ ≥ LOD         N/A         ND         PASS           Dimethoate $0.003/0.009$ ≥ LOD         N/A         ND         PASS           Dimethomorph $0.016/0.050$ 20         N/A         ND         PASS           Dinotefuran $0.010/0.030$ N/A         ND         ND           Diuron $0.013/0.040$ N/A         ND           Dodemorph $0.012/0.035$ N/A         ND           Endosulfan sulfate $0.016/0.048$ N/A         ND           Endosulfan-α* $0.004/0.014$ N/A         ND	Cyfluthrin	0.052 / 0.159	1	N/A	ND	PASS
Daminozide $0.026/0.077$ ≥ LOD         N/A         ND         PASS           Deltamethrin $0.059/0.180$ N/A         ND         ND           Diazinon $0.006/0.017$ $0.2$ N/A         ND         PASS           Dichlorvos (DDVP) $0.012/0.038$ ≥ LOD         N/A         ND         PASS           Dimethoate $0.003/0.009$ ≥ LOD         N/A         ND         PASS           Dimethomorph $0.016/0.050$ 20         N/A         ND         PASS           Dinotefuran $0.010/0.030$ N/A         ND         ND           Diuron $0.013/0.040$ N/A         ND           Dodemorph $0.012/0.035$ N/A         ND           Endosulfan sulfate $0.016/0.048$ N/A         ND           Endosulfan-α* $0.004/0.014$ N/A         ND	Cypermethrin	0.051 / 0.153	1	N/A	ND	PASS
Deltamethrin         0.059 / 0.180         N/A         ND           Diazinon         0.006 / 0.017         0.2         N/A         ND         PASS           Dichlorvos (DDVP)         0.012 / 0.038         ≥ LOD         N/A         ND         PASS           Dimethoate         0.003 / 0.009         ≥ LOD         N/A         ND         PASS           Dimethomorph         0.016 / 0.050         20         N/A         ND         PASS           Dinotefuran         0.010 / 0.030         N/A         ND         ND           Diuron         0.013 / 0.040         N/A         ND           Dodemorph         0.012 / 0.035         N/A         ND           Endosulfan sulfate         0.016 / 0.048         N/A         ND           Endosulfan-α*         0.004 / 0.014         N/A         ND	Cyprodinil <sup>‡</sup>	0.003 / 0.008		N/A	ND	
Diazinon         0.006 / 0.017         0.2         N/A         ND         PASS           Dichlorvos (DDVP)         0.012 / 0.038         ≥ LOD         N/A         ND         PASS           Dimethoate         0.003 / 0.009         ≥ LOD         N/A         ND         PASS           Dimethomorph         0.016 / 0.050         20         N/A         ND         PASS           Dinotefuran         0.010 / 0.030         N/A         ND           Diuron         0.013 / 0.040         N/A         ND           Dodemorph         0.012 / 0.035         N/A         ND           Endosulfan sulfate         0.016 / 0.048         N/A         ND           Endosulfan-α*         0.004 / 0.014         N/A         ND	Daminozide	0.026 / 0.077	≥LOD	N/A	ND	PASS
Dichlorvos (DDVP)         0.012 / 0.038         ≥ LOD         N/A         ND         PASS           Dimethoate         0.003 / 0.009         ≥ LOD         N/A         ND         PASS           Dimethomorph         0.016 / 0.050         20         N/A         ND         PASS           Dinotefuran         0.010 / 0.030         N/A         ND           Diuron         0.013 / 0.040         N/A         ND           Dodemorph         0.012 / 0.035         N/A         ND           Endosulfan sulfate         0.016 / 0.048         N/A         ND           Endosulfan-α*         0.004 / 0.014         N/A         ND	Deltamethrin	0.059 / 0.180		N/A	ND	
Dimethoate         0.003/0.009         ≥ LOD         N/A         ND         PASS           Dimethomorph         0.016/0.050         20         N/A         ND         PASS           Dinotefuran         0.010/0.030         N/A         ND           Diuron         0.013/0.040         N/A         ND           Dodemorph         0.012/0.035         N/A         ND           Endosulfan sulfate         0.016/0.048         N/A         ND           Endosulfan-α*         0.004/0.014         N/A         ND	Diazinon	0.006 / 0.017	0.2	N/A	ND	PASS
Dimethomorph         0.016/0.050         20         N/A         ND         PASS           Dinotefuran         0.010/0.030         N/A         ND           Diuron         0.013/0.040         N/A         ND           Dodemorph         0.012/0.035         N/A         ND           Endosulfan sulfate         0.016/0.048         N/A         ND           Endosulfan-α*         0.004/0.014         N/A         ND	Dichlorvos (DDVP)	0.012 / 0.038	≥LOD	N/A	ND	PASS
Dinotefuran         0.010 / 0.030         N/A         ND           Diuron         0.013 / 0.040         N/A         ND           Dodemorph         0.012 / 0.035         N/A         ND           Endosulfan sulfate         0.016 / 0.048         N/A         ND           Endosulfan-α*         0.004 / 0.014         N/A         ND	Dimethoate	0.003 / 0.009	≥LOD	N/A	ND	PASS
Diuron         0.013 / 0.040         N/A         ND           Dodemorph         0.012 / 0.035         N/A         ND           Endosulfan sulfate         0.016 / 0.048         N/A         ND           Endosulfan-α*         0.004 / 0.014         N/A         ND	Dimethomorph	0.016 / 0.050	20	N/A	ND	PASS
Dodemorph         0.012 / 0.035         N/A         ND           Endosulfan sulfate         0.016 / 0.048         N/A         ND           Endosulfan-α*         0.004 / 0.014         N/A         ND	Dinotefuran	0.010/0.030		N/A	ND	
Endosulfan sulfate         0.016 / 0.048         N/A         ND           Endosulfan-α*         0.004 / 0.014         N/A         ND	Diuron	0.013 / 0.040		N/A	ND	
Endosulfan-α* 0.004 / 0.014 N/A ND	Dodemorph	0.012 / 0.035		N/A	ND	
	Endosulfan sulfate	0.016 / 0.048		N/A	ND	
Endosulfan-β* 0.006 / 0.019 N/A ND	Endosulfan- $\alpha$ *	0.004/0.014		N/A	ND	
	Endosulfan-β*	0.006 / 0.019		N/A	ND	

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## Pesticide Analysis Continued

#### PESTICIDE TEST RESULTS - 04/19/2025 continued PASS

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (μg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (μg/g)	RESULT
Ethoprophos	0.003 / 0.009	≥ LOD	N/A	ND	PASS
Etofenprox	0.014 / 0.042	≥ LOD	N/A	ND	PASS
Etoxazole	0.007 / 0.020	1.5	N/A	ND	PASS
Etridiazole*	0.002 / 0.005		N/A	ND	
Fenhexamid	0.003 / 0.008	10	N/A	ND	PASS
Fenoxycarb	0.003/0.010	≥ LOD	N/A	ND	PASS
Fenpyroximate	0.007 / 0.020	2	N/A	ND	PASS
Fensulfothion	0.003/0.010		N/A	ND	
Fenthion	0.003/0.010		N/A	ND	
Fenvalerate <sup>‡</sup>	0.033 / 0.099		N/A	ND	
Fipronil	0.003/0.010	≥LOD	N/A	ND	PASS
Flonicamid	0.007 / 0.022	2	N/A	ND	PASS
Fludioxonil	0.003/0.010	30	N/A	ND	PASS
Fluopyram <sup>‡</sup>	0.003 / 0.009		N/A	ND	
Hexythiazox	0.003 / 0.010	2	N/A	ND	PASS
lmazalil	0.003 / 0.009	≥LOD	N/A	ND	PASS
Imidacloprid	0.003 / 0.010	3	N/A	ND	PASS
Iprodione	0.077 / 0.233		N/A	ND	
Kinoprene	0.077 / 0.233		N/A	ND	
Kresoxim-methyl	0.006 / 0.019	1	N/A	ND	PASS
λ-Cyhalothrin	0.068 / 0.206		N/A	ND	
Malathion	0.003 / 0.009	5	N/A	ND	PASS
Metalaxyl	0.003 / 0.010	15	N/A	ND	PASS
Methiocarb	0.003 / 0.008	≥LOD	N/A	ND	PASS
Methomyl	0.008/0.025	0.1	N/A	ND	PASS
Methoprene <sup>‡</sup>	0.172 / 0.521		N/A	ND	
Mevinphos	0.008/0.024	≥LOD	N/A	ND	PASS
MGK-264	0.015 / 0.047		N/A	ND	
Myclobutanil	0.003 / 0.009	9	N/A	ND	PASS
Naled	0.021 / 0.064	0.5	N/A	ND	PASS
Novaluron	0.002 / 0.005		N/A	ND	
Oxamyl	0.017 / 0.051	0.2	N/A	ND	PASS
Paclobutrazol	0.003 / 0.010	≥ LOD	N/A	ND	PASS
Parathion-methyl	0.016 / 0.050	≥ LOD	N/A	ND	PASS
Pentachloronitro- benzene (Quintozene)*	0.004/0.012	0.2	N/A	ND	PASS
Permethrin	0.056 / 0.168	20	N/A	ND	PASS
Phenothrin	0.016 / 0.047		N/A	ND	
Phosmet	0.007 / 0.020	0.2	N/A	ND	PASS
Piperonyl Butoxide	0.010 / 0.029	8	N/A	ND	PASS
Pirimicarb	0.003 / 0.009		N/A	ND	
Prallethrin	0.015 / 0.046	0.4	N/A	ND	PASS

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## Pesticide Analysis Continued

#### PESTICIDE TEST RESULTS - 04/19/2025 continued PASS

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (μg/g)	MEASUREMENT UNCERTAINTY (μg/g)	RESULT (µg/g)	RESULT
Propiconazole	0.027 / 0.080	20	N/A	ND	PASS
Propoxur	0.003 / 0.008	≥LOD	N/A	ND	PASS
Pyraclostrobin	0.003 / 0.010		N/A	ND	
Pyrethrins	0.016 / 0.049	1	N/A	ND	PASS
Pyridaben	0.005 / 0.017	3	N/A	ND	PASS
Pyriproxyfen	0.003 / 0.009		N/A	ND	
Resmethrin	0.013 / 0.039		N/A	ND	
Spinetoram	0.003 / 0.010	3	N/A	ND	PASS
Spinosad	0.003 / 0.010	3	N/A	ND	PASS
Spirodiclofen	0.031 / 0.093		N/A	ND	
Spiromesifen	0.016 / 0.050	12	N/A	ND	PASS
Spirotetramat	0.003 / 0.010	13	N/A	ND	PASS
Spiroxamine	0.020 / 0.062	≥LOD	N/A	ND	PASS
Tebuconazole	0.003 / 0.010	2	N/A	ND	PASS
Tebufenozide	0.003 / 0.008		N/A	ND	
Teflubenzuron	0.007 / 0.022		N/A	ND	
Tetrachlorvinphos	0.003 / 0.008		N/A	ND	
Tetramethrin	0.021 / 0.063		N/A	ND	
Thiabendazole	0.006 / 0.020		N/A	ND	
Thiacloprid	0.003 / 0.009	≥LOD	N/A	ND	PASS
Thiamethoxam	0.003 / 0.010	4.5	N/A	ND	PASS
Thiophanate-methyl	0.013 / 0.040		N/A	ND	
Trifloxystrobin	0.003 / 0.009	30	N/A	ND	PASS



## Mycotoxin Analysis

Mycotoxin analysis utilizing high-performance liquid chromatography-mass spectrometry (HPLC-MS).

**Method:** QSP 1212 - Analysis of Pesticides and Mycotoxins by LC-MS

#### MYCOTOXIN TEST RESULTS - 04/18/2025 PASS

COMPOUND	LOD/LOQ (µg/kg)	ACTION LIMIT (µg/kg)	MEASUREMENT UNCERTAINTY (μg/kg)	RESULT (µg/kg)	RESULT
Aflatoxin B1	1.6 / 5.0		N/A	ND	
Aflatoxin B2	1.4 / 4.1		N/A	ND	
Aflatoxin G1	1.6 / 4.9		N/A	ND	
Aflatoxin G2	1.6 / 5.0		N/A	ND	
Ochratoxin A	1.6 / 5.0	20	N/A	ND	PASS
Total Aflatoxin		20		ND	PASS







## **Residual Solvents Analysis**

Residual Solvent analysis utilizing gas chromatography-mass spectrometry (GC-MS).

Method: QSP 1204 - Analysis of Residual Solvents by GC-MS

Total Butanes = n-Butane + 2-Methylpropane (Isobutane)
Total Pentanes = n-Pentane + 2-Methylbutane (Isopentane) + 2,2-Dimethylpropane (Neopentane)

**Total Hexanes** = n-Hexane + 2,2-Dimethylbutane (Neohexane) + 2,3-Dimethylbutane / 2-Methylpentane (Isohexane) +

Total Heptanes = 2,2-Dimethylpentane (Neoheptane) + 2,3-Dimethylpentane + 2,4-Dimethylpentane + 3,3-Dimethylpentane +

2,2,3-Trimethylbutane (Triptane) + 2-Methylhexane (Isoheptane) + 3-Methylhexane + 3-Ethylpentane + n-Heptane

Total Xylenes = 1,2-Dimethylbenzene (o-Xylene) +

1,3-Dimethylbenzene (m-Xylene) / 1,4-Dimethylbenzene (p-Xylene) + Ethylbenzene

#### RESIDUAL SOLVENTS TEST RESULTS - 04/21/2025 PASS

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (μg/g)	MEASUREMENT UNCERTAINTY (μg/g)	RESULT (µg/g)	RESULT
Propane	0.234 / 0.781	5000	N/A	ND	PASS
2-Methylpropane (Isobutane)	0.052/0.173		N/A	ND	
n-Butane	0.019 / 0.063	5000	N/A	ND	PASS
Total Butanes				ND	
2-Methylbutane (Isopentane)	0.310 / 1.035		N/A	ND	
2,2-Dimethylpropane (Neopentane)	0.035/0.117		N/A	ND	
n-Pentane	0.310 / 1.033	5000	N/A	ND	PASS
<b>Total Pentanes</b>				ND	
2,2-Dimethylbutane (Neohexane)	9.831 / 32.77		N/A	ND	
2,3-Dimethylbutane / 2-Methylpentane (Isohexane)	0.381 / 1.271		N/A	ND	
3-Methylpentane	0.109 / 0.365		N/A	ND	
n-Hexane	0.110 / 0.366	290	N/A	ND	PASS
Total Hexanes				ND	
Cyclohexane	0.357 / 1.190		N/A	ND	
2,2-Dimethylpentane (Neoheptane)	0.493 / 1.642		N/A	ND	
2,3-Dimethylpentane	1.009 / 3.365		N/A	ND	
2,4-Dimethylpentane	0.737 / 2.458		N/A	ND	
3,3-Dimethylpentane	0.198 / 0.660		N/A	ND	
2,2,3-Trimethylbutane (Triptane)	0.521 / 1.738		N/A	ND	
2-Methylhexane (Isoheptane)	0.610/2.034		N/A	ND	
3-Methylhexane	0.235 / 0.785		N/A	ND	
3-Ethylpentane	0.304/1.012		N/A	ND	
n-Heptane	13.12 / 43.72	5000	N/A	ND	PASS
Total Heptanes				ND	
Cycloheptane	0.597 / 1.989		N/A	ND	
Benzene	0.089 / 0.295	1	N/A	ND	PASS
Toluene	0.115/0.382	890	N/A	ND	PASS
Cumene	0.180 / 0.600		N/A	ND	
1,3-Dimethylbenzene (m-Xylene) / 1,4-Dimethylbenzene (p-Xylene)	0.451 / 1.502		N/A	ND	
1,2-Dimethylbenzene (o-Xylene)	0.387 / 1.289		N/A	ND	
Ethylbenzene	0.370 / 1.233		N/A	ND	
Total Xylenes		2170		ND	PASS
Methanol	53.92 / 163.4	3000	N/A	ND	PASS
Ethanol	8.984 / 27.23	5000	N/A	<loq< td=""><td>PASS</td></loq<>	PASS
1-Propanol	1.540 / 5.133		N/A	ND	
2-Propanol (Isopropyl Alcohol)	8.421 / 25.52	5000	N/A	ND	PASS

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#### RESIDUAL SOLVENTS TEST RESULTS - 04/21/2025 continued PASS

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (μg/g)	MEASUREMENT UNCERTAINTY (μg/g)	RESULT (µg/g)	RESULT
1-Butanol	0.475 / 1.582		N/A	ND	
2-Butanol	7.248 / 24.16		N/A	ND	
1-Pentanol	1.461 / 4.869		N/A	ND	
Acetone	10.59 / 32.08	5000	N/A	<loq< td=""><td>PASS</td></loq<>	PASS
2-Butanone	0.169 / 0.564		N/A	ND	
Tetrahydrofuran	0.622 / 2.075		N/A	ND	
Ethyl Ether	0.197 / 0.658	5000	N/A	ND	PASS
Ethylene Glycol	3.803 / 12.68		N/A	ND	
2-Ethoxyethanol	1.235 / 4.118		N/A	ND	
1,2-Dimethoxyethane	2.116 / 7.052		N/A	ND	
1,4-Dioxane	0.468 / 1.558		N/A	ND	
Ethylene Oxide	0.253 / 0.844	1	N/A	ND	PASS
Ethyl Acetate	1.123 / 3.745	5000	N/A	ND	PASS
Isopropyl Acetate	0.347 / 1.158		N/A	ND	
Chloroform	0.251 / 0.838	1	N/A	ND	PASS
Dichloromethane (Methylene Chloride)	2.651 / 8.838	1	N/A	ND	PASS
Trichloroethylene	0.299 / 0.996	1	N/A	ND	PASS
1,2-Dichloroethane	0.162 / 0.541	1	N/A	ND	PASS
1,1-Dichloroethene	0.185 / 0.616		N/A	ND	
1,2-Dichloroethene	0.428 / 1.427		N/A	ND	
Sulfolane	47.66 / 158.9		N/A	ND	
Dimethyl Sulfoxide	6.168 / 20.56		N/A	ND	
Acetonitrile	1.595 / 4.833	410	N/A	ND	PASS
Pyridine	0.407 / 1.355		N/A	ND	
N,N-Dimethylacetamide	0.127/0.422		N/A	ND	
N,N-Dimethylformamide	0.946 / 3.153		N/A	ND	



### **Heavy Metals Analysis**

Heavy metal analysis utilizing inductively coupled plasma-mass spectrometry (ICP-MS).

Method: QSP 1160 - Analysis of Heavy Metals by ICP-MS

#### HEAVY METALS TEST RESULTS - 04/18/2025 PASS

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (μg/g)	MEASUREMENT UNCERTAINTY (μg/g)	RESULT (μg/g)	RESULT
Arsenic	0.02 / 0.1	1.5	N/A	ND	PASS
Cadmium	0.02/0.05	0.5	N/A	ND	PASS
Lead	0.04/0.1	0.5	N/A	ND	PASS
Mercury	0.002 / 0.01	3	N/A	ND	PASS









## **Microbiology Analysis**

PCR AND PLATING

Analysis conducted by polymerase chain reaction (PCR) and fluorescence detection of microbiological contaminants.

Method: QSP 1221 - Analysis of Microbiological Contaminants

#### MICROBIOLOGY TEST RESULTS (PCR) - 04/22/2025 PASS

COMPOUND	ACTION LIMIT (cfu/g)	RESULT (cfu/g)	RESULT
Aspergillus flavus	Not Detected in 1g	ND	PASS
Aspergillus fumigatus	Not Detected in 1g	ND	PASS
Aspergillus niger	Not Detected in 1g	ND	PASS
Aspergillus terreus	Not Detected in 1g	ND	PASS
Bile-Tolerant Gram-Negative Bacteria		ND	
Listeria monocytogenes		ND	
Salmonella spp.	Not Detected in 1g	ND	PASS
Shiga toxin-producing Escherichia coli	Not Detected in 1g	ND	PASS

Analysis conducted by  $3M^{\text{TM}}$  Petrifilm and plate counts of microbiological contaminants.

Method: QSP 6794 - Plating with 3M™ Petrifilm™

#### MICROBIOLOGY TEST RESULTS (PLATING) - 04/22/2025 ND

COMPOUND	RESULT (cfu/g)
Escherichia coli	ND
Total Aerobic Bacteria	ND
Total Yeast and Mold	ND

#### NOTES

Reason for Amendment: Add/Remove Test(s) Sample serving mass provided by client. Sample unit mass provided by client.