

**GREEN  
ELEMENT**

North Slope Brands  
PO Box 1588  
Cottage Grove, OR 97424  
Ph: (541) 649-2149  
Fax: (541) 649-2159  
Email: [sales@northslopebrands.com](mailto:sales@northslopebrands.com)  
Website: [www.greenelementcbd.com](http://www.greenelementcbd.com)

**PRODUCT BATCH SUMMARY**

Product Name: Mocha Chocolate  
Batch#: 2309E23  
Manufacture Date: 7/26/23  
Expiration Date: 7/26/24

**THIRD PARTY PRODUCT POTENCY LAB RESULTS**

Labelled Content: 200mg  
Tested CBD: 222.7  
Tested THC: 11.9  
Tested CBG: LOQ  
Tested Content: 234.6  
Third Party Lab: Green Leaf Labs  
Test ID#: 5024011

**THIRD PARTY CONCENTRATE CONTAMINANT LAB RESULTS**

|                  | Pesticides | Residual Solvents | Heavy Metals | Mycotoxins |
|------------------|------------|-------------------|--------------|------------|
| Result:          | PASS       | PASS              | PASS         | PASS       |
| Third Party Lab: | SC Labs    | SC Labs           | SC Labs      | SC Labs    |
| Test ID#:        | 230509M020 | 230509M020        | 230509M020   | 230509M020 |

**NOTE**

All contaminant testing is performed on concentrated extracts prior to formulation in order to maximize sensitivity of the test. For accuracy, microbial contaminant testing is performed on unrefined crude extract in order to verify quality of input materials prior to distillation. All other contaminant tests are performed both on unrefined crude extract as well as post distillation extract, prior to formulation. This allows us to look for contamination prior to the extracts dilution into finished products.

Final product testing is to verify potency after dilution resulting from product formulation.

All referenced lab reports are attached



### 2309E23 Mocha Chocolate

Sample ID: G3G0365-02

Matrix: Hemp Products

Test ID: 5025511

Source ID: 2309D03

Date Sampled: 07/27/23

Date Accepted: 07/27/23

**North Slope Brands**  
info@northslopebrands.com

#### Results at a Glance

Total THC : 0.0140 %

Total CBD : 0.2620 %



**ISO 17025**  
ACCREDITED  
LABORATORY

Eric Wendt  
Chief Science Officer - 8/2/2023

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### 2309E23 Mocha Chocolate

Sample ID: G3G0365-02 Matrix: Hemp Products  
Test ID: 5025511  
Source ID: 2309D03  
Date Sampled: 07/27/23 Date Accepted: 07/27/23

North Slope Brands  
info@northslopebrands.com

### Potency Analysis by HPLC

Date/Time Extracted: 07/28/23 09:27 Analysis Method/SOP: 215 Batch Identification: 2330059

| Cannabinoids | LOQ (%)  | mg/g  | Cannabinoids Profile |  |
|--------------|----------|-------|----------------------|--|
| Total THC    | 0.000250 | 0.14  |                      |  |
| Total CBD    | 0.000250 | 2.62  |                      |  |
| THCA         | 0.000250 | < LOQ |                      |  |
| delta 9-THC  | 0.000250 | 0.14  |                      |  |
| delta 8-THC  | 0.0096   | < LOQ |                      |  |
| THCV         | 0.0075   | < LOQ |                      |  |
| THCVA        | 0.0112   | < LOQ |                      |  |
| CBD          | 0.000250 | 2.514 |                      |  |
| CBDA         | 0.000250 | 0.121 |                      |  |
| CBDV         | 0.0077   | < LOQ |                      |  |
| CBDVA        | 0.0106   | < LOQ |                      |  |
| CBN          | 0.0069   | < LOQ |                      |  |
| CBG          | 0.0081   | < LOQ |                      |  |
| CBGA         | 0.0107   | < LOQ |                      |  |
| CBC          | 0.0101   | < LOQ |                      |  |

Total THC = delta 9-THC + (THCA \* 0.877)  
Total CBD = CBD + (CBDA \* 0.877)  
Total CBG = CBG + (CBGA \* 0.878)  
LOQ=Limit of Quantification, the lowest measurable concentration of an analyte.



Eric Wendt  
Chief Science Officer - 8/2/2023

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### Quality Control Potency

Batch: 2330059 - 215-Products

| Blank(2330059-BLK1) |        |        |       |                  |                |                |       |
|---------------------|--------|--------|-------|------------------|----------------|----------------|-------|
| Analyte             | Result | LOQ    | Units | %Recovery Limits | Extracted      | Analyzed       | Notes |
| THCA                | < LOQ  | 0.0040 | %     |                  | 07/28/23 09:27 | 07/29/23 02:58 |       |
| delta 9-THC         | < LOQ  | 0.0040 | %     |                  | 07/28/23 09:27 | 07/29/23 02:58 |       |
| delta 8-THC         | < LOQ  | 0.1526 | %     |                  | 07/28/23 09:27 | 07/29/23 02:58 |       |
| THCV                | < LOQ  | 0.1191 | %     |                  | 07/28/23 09:27 | 07/29/23 02:58 |       |
| THCVA               | < LOQ  | 0.1782 | %     |                  | 07/28/23 09:27 | 07/29/23 02:58 |       |
| CBD                 | < LOQ  | 0.0040 | %     |                  | 07/28/23 09:27 | 07/29/23 02:58 |       |
| CBDA                | < LOQ  | 0.0040 | %     |                  | 07/28/23 09:27 | 07/29/23 02:58 |       |
| CBDV                | < LOQ  | 0.1225 | %     |                  | 07/28/23 09:27 | 07/29/23 02:58 |       |
| CBDVA               | < LOQ  | 0.1683 | %     |                  | 07/28/23 09:27 | 07/29/23 02:58 |       |
| CBN                 | < LOQ  | 0.1100 | %     |                  | 07/28/23 09:27 | 07/29/23 02:58 |       |
| CBG                 | < LOQ  | 0.1280 | %     |                  | 07/28/23 09:27 | 07/29/23 02:58 |       |
| CBGA                | < LOQ  | 0.1697 | %     |                  | 07/28/23 09:27 | 07/29/23 02:58 |       |
| CBC                 | < LOQ  | 0.1606 | %     |                  | 07/28/23 09:27 | 07/29/23 02:58 |       |

| Reference(2330059-SRM1) |            |        |       |                  |                |                |       |
|-------------------------|------------|--------|-------|------------------|----------------|----------------|-------|
| Analyte                 | % Recovery | LOQ    | Units | %Recovery Limits | Extracted      | Analyzed       | Notes |
| THCA                    | 99.1       | 0.0097 | %     | 90-110           | 07/28/23 09:27 | 07/29/23 03:21 |       |
| delta 9-THC             | 96.2       | 0.0097 | %     | 90-110           | 07/28/23 09:27 | 07/29/23 03:21 |       |
| delta 8-THC             | 94.4       | 0.3718 | %     | 90-110           | 07/28/23 09:27 | 07/29/23 03:21 |       |
| CBD                     | 91.2       | 0.0097 | %     | 90-110           | 07/28/23 09:27 | 07/29/23 03:21 |       |
| CBDA                    | 90.0       | 0.0097 | %     | 90-110           | 07/28/23 09:27 | 07/29/23 03:21 |       |



Eric Wendt  
Chief Science Officer - 8/2/2023

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### Notes and Definitions

Regulatory Compliance samples were collected onsite at facility according to ORELAP-SOP-001 and ORELAP-SOP-002 and following Sampling Plan FN117. Quality Control samples were tested as received. Results do not include uncertainty of measurements. Available upon request.

- ATM Non-cannabis matrix related interference or suppression of Internal standard
- BLI Baseline Interference - Cannabinoid peak interference in chromatographic baseline affecting QC recovery .
- BLK Analyte detected in method blank, but not associated samples.
- BSH Blank Spike High - Blank Spike recovery above method limit. no detections in samples.
- BSL Blank Spike Low - Blank Spike recovery below lower method limit, analyte chromatography reviewed manually for all samples.
- C Interference due to co-elution
- CBD Interference due to co-elution
- CV1 CBD matrix interference on GC Pest chromatography
- CV2 CCV was above acceptance criteria, Non-detect samples are considered acceptable.
- INF CCV was below acceptance criteria, sample still exceeds regulatory limit.
- ISH One or more QC falls outside acceptance criteria. Data entered into LIMS for informational purposes only.
- ISL Internal Standard concentration is above acceptance criteria.
- MSH Internal Standard concentration is below acceptance criteria.
- MSI Matrix Spike High - Matrix Spike recovery above method limits.
- MSL Matrix Spike Interference - Matrix spike source sample contains analyte hit above calibration affecting recovery accuracy in Matrix Spike.
- TPP
- U Matrix Spike Low - Matrix Spike recovery below lower method limit, analyte chromatography reviewed manually for all samples.  
Internal Standard concentration outside control limit due to matrix interference



Eric Wendt  
Chief Science Officer - 8/2/2023

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**SAMPLE NAME: Lindorea Distillate**  
Concentrate, Colorado Concentrate/Extract

**CULTIVATOR / MANUFACTURER**

**Business Name:**  
**License Number:**  
**Address:**

**DISTRIBUTOR / TESTED FOR**

**Business Name: Fsoil**  
**License Number:**  
**Address:**


**SAMPLE DETAIL**

**Batch Number:** 2-10A-877-06060  
**Sample ID:** 230509M020  
**Date of Sampling:** 05/09/2023  
**Time of Sampling:** 11:53 a.m.  
**Sampler Name:**  
**Sampler Company:**

**Date Collected:** 05/09/2023  
**Date Received:** 05/09/2023  
**Batch Size:**  
**Sample Size:**  
**Unit Mass:**  
**Serving Size:**



Scan QR code to verify authenticity of results.

**CANNABINOID ANALYSIS - SUMMARY**

**Total THC: 2.678%**  
**Total CBD: 72.399%**  
**Sum of Cannabinoids: 80.24%**  
**Total Cannabinoids: 80.1%**

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 =  $\Delta^9$ -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

**TERPENOID ANALYSIS - SUMMARY**

39 TESTED, TOP 3 HIGHLIGHTED

**Total Terpenoids: 0.0942%**

●  $\alpha$ -Bisabolol 0.664 mg/g    
 ● Guaiol 0.265 mg/g    
 ●  $\beta$ -Caryophyllene 0.013 mg/g

**SAFETY ANALYSIS - SUMMARY**

**Pesticides:** ✔ **PASS**

**Mycotoxins:** ✔ **PASS**

**Residual Solvents:** ✔ **PASS**

**Heavy Metals:** ✔ **PASS**

**Microbiology (PCR):** ✔ **PASS**


**Microbiology (Plating):** ✔ **PASS**

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**Sample Certification:** 6 CCR 1010-21 Colorado Wholesale Food, Industrial Hemp, and Shellfish Regulations; where applicable

**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.

**References:** limit of detection (LOD), limit of quantification (LOQ), not detected (ND), not tested (NT), too numerous to count >250 cfu/plate (TNTC), colony-forming unit (cfu)

  
 LQC verified by: Josh Antunovich  
 Job Title: Laboratory Manager  
 Date: 05/15/2023

  
 Approved by: Josh Wurzer  
 Job Title: Chief Compliance Officer  
 Date: 05/15/2023



## 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: 2.678%

Total THC ( $\Delta^9$ -THC+0.877\*THCa)

### TOTAL CBD: 72.399%

Total CBD (CBD+0.877\*CBDa)

### TOTAL CANNABINOIDS: 80.1%

Total Cannabinoids (Total THC) + (Total CBD) + (Total CBG) + (Total THCV) + (Total CBC) + (Total CBDV) +  $\Delta^8$ -THC + CBL + CBN

### TOTAL CBG: 1.045%

Total CBG (CBG+0.877\*CBGa)

### TOTAL THCV: ND

Total THCV (THCV+0.877\*THCVa)

### TOTAL CBC: 2.8%

Total CBC (CBC+0.877\*CBCa)

### TOTAL CBDV: 0.62%

Total CBDV (CBDV+0.877\*CBDVa)

## CANNABINOID TEST RESULTS - 05/14/2023

| COMPOUND                   | LOD/LOQ (mg/g) | MEASUREMENT UNCERTAINTY (mg/g) | RESULT (mg/g)     | RESULT (%)    |
|----------------------------|----------------|--------------------------------|-------------------|---------------|
| CBD                        | 0.07 / 0.29    | ±25.651                        | 712.53            | 71.253        |
| CBC                        | 0.2 / 0.5      | ±0.64                          | 28.0              | 2.80          |
| $\Delta^9$ -THC            | 0.06 / 0.26    | ±0.718                         | 26.78             | 2.678         |
| CBDa                       | 0.02 / 0.19    | ±0.298                         | 13.07             | 1.307         |
| CBG                        | 0.06 / 0.19    | ±0.321                         | 10.45             | 1.045         |
| CBDV                       | 0.04 / 0.15    | ±0.210                         | 6.20              | 0.620         |
| CBN                        | 0.1 / 0.3      | ±0.27                          | 5.4               | 0.54          |
| $\Delta^8$ -THC            | 0.1 / 0.4      | N/A                            | ND                | ND            |
| THCa                       | 0.05 / 0.14    | N/A                            | ND                | ND            |
| THCV                       | 0.1 / 0.2      | N/A                            | ND                | ND            |
| THCVa                      | 0.07 / 0.20    | N/A                            | ND                | ND            |
| CBDVa                      | 0.03 / 0.53    | N/A                            | ND                | ND            |
| CBGa                       | 0.1 / 0.2      | N/A                            | ND                | ND            |
| CBL                        | 0.06 / 0.24    | N/A                            | ND                | ND            |
| CBCa                       | 0.07 / 0.28    | N/A                            | ND                | ND            |
| <b>Total THC</b>           |                | ±0.718                         | <b>26.78</b>      | <b>2.678</b>  |
| <b>SUM OF CANNABINOIDS</b> |                |                                | <b>802.4 mg/g</b> | <b>80.24%</b> |

## Terpenoid Analysis

Terpene analysis utilizing gas chromatography-flame ionization detection (GC-FID).

**Method:** QSP 1192 - Analysis of Terpenoids by GC-FID

### 1 $\alpha$ -Bisabolol

A sesquiterpene alcohol with a fragrance that can be described as floral, peppery, sweet and clean. Found in chamomile, figwort, yarrow, skullcaps, lavender, ironwort, germander...etc.

## TERPENOID TEST RESULTS - 05/14/2023

| COMPOUND               | LOD/LOQ (mg/g) | MEASUREMENT UNCERTAINTY (mg/g) | RESULT (mg/g) | RESULT (%) |
|------------------------|----------------|--------------------------------|---------------|------------|
| $\alpha$ -Bisabolol    | 0.008 / 0.026  | ±0.0276                        | 0.664         | 0.0664     |
| Guaiol                 | 0.009 / 0.030  | ±0.0097                        | 0.265         | 0.0265     |
| $\beta$ -Caryophyllene | 0.004 / 0.012  | ±0.0004                        | 0.013         | 0.0013     |
| $\alpha$ -Humulene     | 0.009 / 0.029  | N/A                            | <LOQ          | <LOQ       |
| $\alpha$ -Pinene       | 0.005 / 0.017  | N/A                            | ND            | ND         |
| Camphene               | 0.005 / 0.015  | N/A                            | ND            | ND         |
| Sabinene               | 0.004 / 0.014  | N/A                            | ND            | ND         |
| $\beta$ -Pinene        | 0.004 / 0.014  | N/A                            | ND            | ND         |
| Myrcene                | 0.008 / 0.025  | N/A                            | ND            | ND         |
| $\alpha$ -Phellandrene | 0.006 / 0.020  | N/A                            | ND            | ND         |
| $\Delta^3$ -Carene     | 0.005 / 0.018  | N/A                            | ND            | ND         |
| $\alpha$ -Terpinene    | 0.005 / 0.017  | N/A                            | ND            | ND         |
| p-Cymene               | 0.005 / 0.016  | N/A                            | ND            | ND         |

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## Terpenoid Analysis *Continued*

### TERPENOID TEST RESULTS - 05/14/2023 *continued*

#### 2 Guaiol

A sesquiterpene alcohol with a fragrance that can be described as floral, piney, herbal and woody. Found in guaiacum, cypress pine, ginseng, melaleuca, goatweed, incense grass...etc.

#### 3 β-Caryophyllene

A sesquiterpene with a fragrance that can be described as spicy, woody, dry, dusty and mildly sweet. It was one of the first organic compounds to fully synthesized in a laboratory and plays a role in the endocannabinoid system as it is a functional CB<sub>2</sub> receptor agonist. Found in black pepper, clove, hops, rosemary, black-jack, perilla, spicebush, Indian pennywort, celery, frankincense, vitex, parsley, marigold, tamarind...etc.

| COMPOUND                | LOD/LOQ (mg/g) | MEASUREMENT UNCERTAINTY (mg/g) | RESULT (mg/g)     | RESULT (%)     |
|-------------------------|----------------|--------------------------------|-------------------|----------------|
| Limonene                | 0.005 / 0.016  | N/A                            | ND                | ND             |
| Eucalyptol              | 0.006 / 0.018  | N/A                            | ND                | ND             |
| β-Ocimene               | 0.006 / 0.020  | N/A                            | ND                | ND             |
| γ-Terpinene             | 0.006 / 0.018  | N/A                            | ND                | ND             |
| Sabinene Hydrate        | 0.006 / 0.022  | N/A                            | ND                | ND             |
| Fenchone                | 0.009 / 0.028  | N/A                            | ND                | ND             |
| Terpinolene             | 0.008 / 0.026  | N/A                            | ND                | ND             |
| Linalool                | 0.009 / 0.032  | N/A                            | ND                | ND             |
| Fenchol                 | 0.010 / 0.034  | N/A                            | ND                | ND             |
| Isopulegol              | 0.005 / 0.016  | N/A                            | ND                | ND             |
| Camphor                 | 0.006 / 0.019  | N/A                            | ND                | ND             |
| Isoborneol              | 0.004 / 0.012  | N/A                            | ND                | ND             |
| Borneol                 | 0.005 / 0.016  | N/A                            | ND                | ND             |
| Menthol                 | 0.008 / 0.025  | N/A                            | ND                | ND             |
| Terpineol               | 0.009 / 0.031  | N/A                            | ND                | ND             |
| Nerol                   | 0.003 / 0.011  | N/A                            | ND                | ND             |
| Citronellol             | 0.003 / 0.010  | N/A                            | ND                | ND             |
| Pulegone                | 0.003 / 0.011  | N/A                            | ND                | ND             |
| Geraniol                | 0.002 / 0.007  | N/A                            | ND                | ND             |
| Geranyl Acetate         | 0.004 / 0.014  | N/A                            | ND                | ND             |
| α-Cedrene               | 0.005 / 0.016  | N/A                            | ND                | ND             |
| trans-β-Farnesene       | 0.008 / 0.025  | N/A                            | ND                | ND             |
| Valencene               | 0.009 / 0.030  | N/A                            | ND                | ND             |
| Nerolidol               | 0.006 / 0.019  | N/A                            | ND                | ND             |
| Caryophyllene Oxide     | 0.010 / 0.033  | N/A                            | ND                | ND             |
| Cedrol                  | 0.008 / 0.027  | N/A                            | ND                | ND             |
| <b>TOTAL TERPENOIDS</b> |                |                                | <b>0.942 mg/g</b> | <b>0.0942%</b> |



## Pesticide Analysis

### PESTICIDE TEST RESULTS - 05/14/2023 ✓ PASS

Pesticide and plant growth regulator analysis utilizing high-performance liquid chromatography-mass spectrometry (HPLC-MS) or gas chromatography-mass spectrometry (GC-MS).

\*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

| COMPOUND     | LOD/LOQ (µg/g) | ACTION LIMIT (µg/g) | MEASUREMENT UNCERTAINTY (µg/g) | RESULT (µg/g) | RESULT |
|--------------|----------------|---------------------|--------------------------------|---------------|--------|
| Abamectin    | 0.032 / 0.097  | 0.25                | N/A                            | ND            | PASS   |
| Acephate     | 0.006 / 0.018  | 0.05                | N/A                            | ND            | PASS   |
| Acequinocyl  | 0.009 / 0.027  | ≥ LOQ               | N/A                            | ND            | PASS   |
| Acetamiprid  | 0.016 / 0.049  | 0.05                | N/A                            | ND            | PASS   |
| Aldicarb     | 0.030 / 0.090  | 0.5                 | N/A                            | ND            | PASS   |
| Allethrin    | 0.030 / 0.092  | 0.1                 | N/A                            | ND            | PASS   |
| Atrazine     | 0.006 / 0.019  | ≥ LOQ               | N/A                            | ND            | PASS   |
| Azadirachtin | 0.082 / 0.248  | 0.5                 | N/A                            | ND            | PASS   |
| Azoxystrobin | 0.003 / 0.009  | 0.01                | N/A                            | ND            | PASS   |

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**Pesticide Analysis** *Continued*

PESTICIDE TEST RESULTS - 05/14/2023 *continued* ✔ PASS

| COMPOUND            | LOD/LOQ (µg/g) | ACTION LIMIT (µg/g) | MEASUREMENT UNCERTAINTY (µg/g) | RESULT (µg/g) | RESULT |
|---------------------|----------------|---------------------|--------------------------------|---------------|--------|
| Benzovindiflupyr    | 0.003 / 0.009  | 0.01                | N/A                            | ND            | PASS   |
| Bifenazate          | 0.003 / 0.009  | 0.01                | N/A                            | ND            | PASS   |
| Bifenthrin          | 0.021 / 0.064  | ≥ LOQ               | N/A                            | ND            | PASS   |
| Boscalid            | 0.003 / 0.009  | 0.01                | N/A                            | ND            | PASS   |
| Buprofezin          | 0.006 / 0.019  | ≥ LOQ               | N/A                            | ND            | PASS   |
| Carbaryl            | 0.007 / 0.020  | 0.025               | N/A                            | ND            | PASS   |
| Carbofuran          | 0.003 / 0.008  | 0.01                | N/A                            | ND            | PASS   |
| Chlorantraniliprole | 0.006 / 0.018  | ≥ LOQ               | N/A                            | ND            | PASS   |
| Chlorfenapyr*       | 0.005 / 0.015  | 1.5                 | N/A                            | ND            | PASS   |
| Chlorpyrifos        | 0.013 / 0.039  | 0.5                 | N/A                            | ND            | PASS   |
| Clofentezine        | 0.003 / 0.009  | 0.01                | N/A                            | ND            | PASS   |
| Clothianidin        | 0.008 / 0.025  | 0.025               | N/A                            | ND            | PASS   |
| Coumaphos           | 0.003 / 0.010  | 0.01                | N/A                            | ND            | PASS   |
| Cyantraniliprole    | 0.003 / 0.010  | 0.01                | N/A                            | ND            | PASS   |
| Cyfluthrin          | 0.052 / 0.159  | ≥ LOQ               | N/A                            | ND            | PASS   |
| Cypermethrin        | 0.051 / 0.153  | ≥ LOQ               | N/A                            | ND            | PASS   |
| Cyprodinil          | 0.003 / 0.008  | 0.01                | N/A                            | ND            | PASS   |
| Daminozide          | 0.026 / 0.077  | ≥ LOQ               | N/A                            | ND            | PASS   |
| Deltamethrin        | 0.059 / 0.180  | ≥ LOQ               | N/A                            | ND            | PASS   |
| Diazinon            | 0.006 / 0.017  | ≥ LOQ               | N/A                            | ND            | PASS   |
| Dichlorvos (DDVP)   | 0.012 / 0.038  | 0.05                | N/A                            | ND            | PASS   |
| Dimethoate          | 0.003 / 0.009  | 0.01                | N/A                            | ND            | PASS   |
| Dimethomorph        | 0.016 / 0.050  | ≥ LOQ               | N/A                            | ND            | PASS   |
| Dinotefuran         | 0.010 / 0.030  | 0.05                | N/A                            | ND            | PASS   |
| Diuron              | 0.013 / 0.040  | ≥ LOQ               | N/A                            | ND            | PASS   |
| Dodemorph           | 0.012 / 0.035  | ≥ LOQ               | N/A                            | ND            | PASS   |
| Endosulfan sulfate  | 0.016 / 0.048  | 2.5                 | N/A                            | ND            | PASS   |
| Endosulfan-α*       | 0.004 / 0.014  | 2.5                 | N/A                            | ND            | PASS   |
| Endosulfan-β*       | 0.006 / 0.019  | 2.5                 | N/A                            | ND            | PASS   |
| Ethoprophos         | 0.003 / 0.009  | 0.01                | N/A                            | ND            | PASS   |
| Etofenprox          | 0.014 / 0.042  | ≥ LOQ               | N/A                            | ND            | PASS   |
| Etoxazole           | 0.007 / 0.020  | ≥ LOQ               | N/A                            | ND            | PASS   |
| Etridiazole*        | 0.002 / 0.005  | 0.15                | N/A                            | ND            | PASS   |
| Fenhexamid          | 0.003 / 0.008  | ≥ LOQ               | N/A                            | ND            | PASS   |
| Fenoxycarb          | 0.003 / 0.010  | 0.01                | N/A                            | ND            | PASS   |
| Fenpyroximate       | 0.007 / 0.020  | ≥ LOQ               | N/A                            | ND            | PASS   |
| Fensulfothion       | 0.003 / 0.010  | 0.01                | N/A                            | ND            | PASS   |
| Fenthion            | 0.003 / 0.010  | 0.01                | N/A                            | ND            | PASS   |
| Fenvalerate         | 0.033 / 0.099  | ≥ LOQ               | N/A                            | ND            | PASS   |
| Fipronil            | 0.003 / 0.010  | 0.01                | N/A                            | ND            | PASS   |
| Fonicamid           | 0.007 / 0.022  | 0.025               | N/A                            | ND            | PASS   |

Continued on next page



**Pesticide Analysis** *Continued*

PESTICIDE TEST RESULTS - 05/14/2023 *continued* ✔ PASS

| COMPOUND                 | LOD/LOQ (µg/g) | ACTION LIMIT (µg/g) | MEASUREMENT UNCERTAINTY (µg/g) | RESULT (µg/g) | RESULT |
|--------------------------|----------------|---------------------|--------------------------------|---------------|--------|
| Fludioxonil              | 0.003 / 0.010  | 0.01                | N/A                            | ND            | PASS   |
| Fluopyram                | 0.003 / 0.009  | 0.01                | N/A                            | ND            | PASS   |
| Hexythiazox              | 0.003 / 0.010  | ≥ LOQ               | N/A                            | ND            | PASS   |
| Imazalil                 | 0.003 / 0.009  | 0.01                | N/A                            | ND            | PASS   |
| Imidacloprid             | 0.003 / 0.010  | 0.01                | N/A                            | ND            | PASS   |
| Iprodione                | 0.077 / 0.233  | 0.5                 | N/A                            | ND            | PASS   |
| Kinoprene                | 0.077 / 0.233  | 1.25                | N/A                            | ND            | PASS   |
| Kresoxim-methyl          | 0.006 / 0.019  | 0.15                | N/A                            | ND            | PASS   |
| λ-Cyhalothrin            | 0.068 / 0.206  | ≥ LOQ               | N/A                            | ND            | PASS   |
| Malathion                | 0.003 / 0.009  | 0.01                | N/A                            | ND            | PASS   |
| Metalaxyl                | 0.003 / 0.010  | 0.01                | N/A                            | ND            | PASS   |
| Methiocarb               | 0.003 / 0.008  | 0.01                | N/A                            | ND            | PASS   |
| Methomyl                 | 0.008 / 0.025  | 0.025               | N/A                            | ND            | PASS   |
| Methoprene               | 0.172 / 0.521  | ≥ LOQ               | N/A                            | ND            | PASS   |
| Mevinphos                | 0.008 / 0.024  | 0.025               | N/A                            | ND            | PASS   |
| MGK-264                  | 0.015 / 0.047  | ≥ LOQ               | N/A                            | ND            | PASS   |
| Myclobutanil             | 0.003 / 0.009  | 0.01                | N/A                            | ND            | PASS   |
| Naled                    | 0.021 / 0.064  | ≥ LOQ               | N/A                            | ND            | PASS   |
| Novaluron                | 0.002 / 0.005  | 0.025               | N/A                            | ND            | PASS   |
| Oxamyl                   | 0.017 / 0.051  | 1.5                 | N/A                            | ND            | PASS   |
| Paclobutrazol            | 0.003 / 0.010  | 0.01                | N/A                            | ND            | PASS   |
| Parathion-methyl         | 0.016 / 0.050  | ≥ LOQ               | N/A                            | ND            | PASS   |
| Pentachloronitrobenzene* | 0.004 / 0.012  | ≥ LOQ               | N/A                            | ND            | PASS   |
| Permethrin               | 0.056 / 0.168  | ≥ LOQ               | N/A                            | ND            | PASS   |
| Phenothrin               | 0.016 / 0.047  | ≥ LOQ               | N/A                            | ND            | PASS   |
| Phosmet                  | 0.007 / 0.020  | ≥ LOQ               | N/A                            | ND            | PASS   |
| Piperonyl Butoxide       | 0.010 / 0.029  | 1.25                | N/A                            | ND            | PASS   |
| Pirimicarb               | 0.003 / 0.009  | 0.01                | N/A                            | ND            | PASS   |
| Prallethrin              | 0.015 / 0.046  | ≥ LOQ               | N/A                            | ND            | PASS   |
| Propiconazole            | 0.027 / 0.080  | ≥ LOQ               | N/A                            | ND            | PASS   |
| Propoxur                 | 0.003 / 0.008  | 0.01                | N/A                            | ND            | PASS   |
| Pyraclostrobin           | 0.003 / 0.010  | 0.01                | N/A                            | ND            | PASS   |
| Pyrethrins               | 0.016 / 0.049  | ≥ LOQ               | N/A                            | ND            | PASS   |
| Pyridaben                | 0.005 / 0.017  | 0.02                | N/A                            | ND            | PASS   |
| Pyriproxyfen             | 0.003 / 0.009  | ≥ LOQ               | N/A                            | ND            | PASS   |
| Resmethrin               | 0.013 / 0.039  | 0.05                | N/A                            | ND            | PASS   |
| Spinetoram               | 0.003 / 0.010  | 0.01                | N/A                            | ND            | PASS   |
| Spinosad                 | 0.003 / 0.010  | 0.01                | N/A                            | ND            | PASS   |
| Spirodiclofen            | 0.031 / 0.093  | ≥ LOQ               | N/A                            | ND            | PASS   |
| Spiromesifen             | 0.016 / 0.050  | ≥ LOQ               | N/A                            | ND            | PASS   |
| Spirotetramat            | 0.003 / 0.010  | 0.01                | N/A                            | ND            | PASS   |

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### Pesticide Analysis *Continued*

PESTICIDE TEST RESULTS - 05/14/2023 *continued* ✔ PASS

| COMPOUND           | LOD/LOQ (µg/g) | ACTION LIMIT (µg/g) | MEASUREMENT UNCERTAINTY (µg/g) | RESULT (µg/g) | RESULT |
|--------------------|----------------|---------------------|--------------------------------|---------------|--------|
| Spiroxamine        | 0.020 / 0.062  | ≥ LOQ               | N/A                            | ND            | PASS   |
| Tebuconazole       | 0.003 / 0.010  | 0.01                | N/A                            | ND            | PASS   |
| Tebufenozide       | 0.003 / 0.008  | 0.01                | N/A                            | ND            | PASS   |
| Teflubenzuron      | 0.007 / 0.022  | 0.025               | N/A                            | ND            | PASS   |
| Tetrachlorvinphos  | 0.003 / 0.008  | 0.01                | N/A                            | ND            | PASS   |
| Tetramethrin       | 0.021 / 0.063  | ≥ LOQ               | N/A                            | ND            | PASS   |
| Thiabendazole      | 0.006 / 0.020  | ≥ LOQ               | N/A                            | ND            | PASS   |
| Thiacloprid        | 0.003 / 0.009  | 0.01                | N/A                            | ND            | PASS   |
| Thiamethoxam       | 0.003 / 0.010  | 0.01                | N/A                            | ND            | PASS   |
| Thiophanate-methyl | 0.013 / 0.040  | ≥ LOQ               | N/A                            | ND            | PASS   |
| Trifloxystrobin    | 0.003 / 0.009  | 0.01                | N/A                            | ND            | PASS   |



### Mycotoxin Analysis

MYCOTOXIN TEST RESULTS - 05/14/2023 ✔ PASS

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

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

| COMPOUND        | LOD/LOQ (µg/kg) | ACTION LIMIT (µg/kg) | MEASUREMENT UNCERTAINTY (µg/kg) | RESULT (µg/kg) | RESULT |
|-----------------|-----------------|----------------------|---------------------------------|----------------|--------|
| Aflatoxin B1    | 1.6 / 5.0       | 5                    | N/A                             | ND             | PASS   |
| 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             |        |
| Total Aflatoxin |                 | 20                   |                                 | ND             | PASS   |
| Ochratoxin A    | 1.6 / 5.0       | 5                    | N/A                             | ND             | PASS   |



### Residual Solvents Analysis

RESIDUAL SOLVENTS TEST RESULTS - 05/14/2023 ✔ PASS


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 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)

| COMPOUND                         | LOD/LOQ (µg/g) | ACTION LIMIT (µg/g) | MEASUREMENT UNCERTAINTY (µg/g) | RESULT (µg/g) | RESULT |
|----------------------------------|----------------|---------------------|--------------------------------|---------------|--------|
| Propane                          | 0.234 / 0.781  | 1000                | N/A                            | ND            | PASS   |
| 2-Methylpropane (Isobutane)      | 0.052 / 0.173  |                     | N/A                            | ND            |        |
| n-Butane                         | 0.019 / 0.063  |                     | N/A                            | ND            |        |
| <b>Total Butanes</b>             |                | 1000                |                                | ND            | PASS   |
| n-Pentane                        | 0.310 / 1.033  | 1000                | N/A                            | ND            | PASS   |
| n-Hexane                         | 0.110 / 0.366  | 60                  | N/A                            | ND            | PASS   |
| 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            |        |

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## Residual Solvents Analysis

Continued

RESIDUAL SOLVENTS TEST RESULTS - 05/14/2023 *continued* ✔ PASS

| COMPOUND                                  | LOD/LOQ (µg/g) | ACTION LIMIT (µg/g) | MEASUREMENT UNCERTAINTY (µg/g) | RESULT (µg/g) | RESULT |
|---|----------------|---------------------|--------------------------------|---------------|--------|
| 3-Methylhexane                            | 0.235 / 0.785  |                     | N/A                            | ND            |        |
| 3-Ethylpentane                            | 0.304 / 1.012  |                     | N/A                            | ND            |        |
| n-Heptane                                 | 13.12 / 43.72  |                     | N/A                            | ND            |        |
| Total Heptanes                            |                | 1000                |                                | ND            | PASS   |
| Benzene                                   | 0.089 / 0.295  | 2                   | N/A                            | ND            | PASS   |
| Toluene                                   | 0.115 / 0.382  | 180                 | N/A                            | ND            | PASS   |
| 1,3-Dimethylbenzene / 1,4-Dimethylbenzene | 0.451 / 1.502  |                     | N/A                            | ND            |        |
| 1,2-Dimethylbenzene (o-Xylene)            | 0.387 / 1.289  |                     | N/A                            | ND            |        |
| Total Xylenes                             |                | 430                 |                                | ND            | PASS   |
| Methanol                                  | 53.92 / 163.4  | 600                 | N/A                            | ND            | PASS   |
| Ethanol                                   | 8.984 / 27.23  | 1000                | N/A                            | ND            | PASS   |
| 2-Propanol (Isopropyl Alcohol)            | 8.421 / 25.52  | 1000                | N/A                            | ND            | PASS   |
| Acetone                                   | 10.59 / 32.08  | 1000                | N/A                            | ND            | PASS   |
| Ethyl Acetate                             | 1.123 / 3.745  | 1000                | N/A                            | ND            | PASS   |



## 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 - 05/11/2023 ✔ 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   | 1.5                 | 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) - 05/12/2023 ✔ PASS

| COMPOUND                                      | ACTION LIMIT        | RESULT | RESULT |
|---|---------------------|--------|--------|
| Shiga toxin-producing <i>Escherichia coli</i> | Not Detected in 25g | ND     | PASS   |
| <i>Salmonella</i> spp.                        | Not Detected in 25g | ND     | PASS   |



 **Microbiology Analysis** *Continued* MICROBIOLOGY TEST RESULTS (PLATING) - 05/12/2023  **PASS**

Analysis conducted by 3M™ Petrifilm™ and plate counts of microbiological contaminants.

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

| COMPOUND               | ACTION LIMIT (cfu/g) | RESULT (cfu/g) | RESULT |
|------------------------|----------------------|----------------|--------|
| Total Aerobic Bacteria | 10000                | ND             | PASS   |
| Total Yeast and Mold   | 1000                 | ND             | PASS   |
| Coliforms              | 100                  | ND             | PASS   |