# Certificate of Analysis

**Sample Name:** Saucy Chill
**Client:** Saucy Brew Works
**Sample Code:** HEM-260116-001
**Matrix Name:** Beverage
**Type / Result:** Compliance - Pass

cambium analytica
an NSF company

**Received Date:** Tue, Jan 20, 2026
**Published Date:** Fri, Jan 23, 2026
**Batch/Lot Code:** B933
**Batch Size:** N/A
**Sample Size:** 6U
**Average Unit Weight:** 342.76g

## RESULT SUMMARY

| | |
|---|---|
| Total Cannabinoids | 19.17 mg /serv |
| Total CBD | 9.59 mg /serv |
| Total THC | 4.15 mg /serv |
| Total Terpenes | ND |
| Crude Protein | <LOQ % |

| | | | | |
|---|---|---|---|---|
| POT ✓<br>Cannabinoids<br>Potency | TRP ✓<br>Terpenes | SAL ✓<br>Salmonella spp.<br>qPCR | ECOLI ✓<br>Total Coliforms & E. coli<br>Plate | AFLA ✓<br>Aflatoxins<br>USP <561> |
| PGUSP ✓<br>Pesticides<br>USP <561>m | PLUSP ✓<br>Pesticides<br>USP <561>m | TYM ✓<br>Total Yeast & Mold<br>qPCR | PH ✓<br>pH | LMON ✓<br>Listeria monocytogenes<br>qPCR |
| TPROT ✓<br>Proteins<br>Total | GLUTE ✓<br>Gluten<br>ELISA | HVMET ✓<br>Heavy Metals<br>Big 4 | DTOES ✓<br>Nutritional Elements | |

## Approvals

**RESULTS REVIEWED BY:**

Leslie Varela
Laboratory Director
Cambium Analytica
Friday, Jan 23, 2026

**RESULTS CERTIFIED BY:**

Douglas Smith
VP - Scientific Operations
Cambium Analytica
Friday, Jan 23, 2026

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## Lab Information

**Address:** 1230 Woodmere Ave, Traverse City, MI 49686 **Phone:** 231.252.3669 **Accreditation:** ISO/IEC 17025:2017 – #108157

POT

## Cannabinoids - Potency

LAB-TM-025 - Determination of Potency of Cannabis and Cannabis Infused Products

POT-HEM-260116-001-01 - THU, JAN 22, 2026

| Analyte | Value | Value (mg/g) | Per Serving | Per Package | Action Limit | LOD | LOQ | Status |
|---|---|---|---|---|---|---|---|---|
| CBD | 0.0028 % | 0.0280 mg/g | 9.59 mg | 9.59 mg | N/A | 0.0005 mg/g | 0.001 mg/g | N/A |
| CBN | 0.0016 % | 0.0159 mg/g | 5.44 mg | 5.44 mg | N/A | 0.0005 mg/g | 0.001 mg/g | N/A |
| Delta-9 THC | 0.0012 % | 0.0121 mg/g | 4.15 mg | 4.15 mg | N/A | 0.0005 mg/g | 0.001 mg/g | N/A |
| (6aR,9R)-Delta-10 THC | ND | N/A | N/A | N/A | N/A | 0.0005 mg/g | 0.001 mg/g | N/A |
| (6aR,9S)-Delta-10 THC | ND | N/A | N/A | N/A | N/A | 0.0005 mg/g | 0.001 mg/g | N/A |
| CBC | ND | N/A | N/A | N/A | N/A | 0.0005 mg/g | 0.001 mg/g | N/A |
| CBDA | ND | N/A | N/A | N/A | N/A | 0.0005 mg/g | 0.001 mg/g | N/A |
| CBDV | ND | N/A | N/A | N/A | N/A | 0.0005 mg/g | 0.001 mg/g | N/A |
| CBG | ND | N/A | N/A | N/A | N/A | 0.0005 mg/g | 0.001 mg/g | N/A |
| CBGA | ND | N/A | N/A | N/A | N/A | 0.0005 mg/g | 0.001 mg/g | N/A |
| Delta-8 THC | ND | N/A | N/A | N/A | N/A | 0.0005 mg/g | 0.001 mg/g | N/A |
| Delta-8 THCV | ND | N/A | N/A | N/A | N/A | 0.0005 mg/g | 0.001 mg/g | N/A |
| THCA | ND | N/A | N/A | N/A | N/A | 0.0005 mg/g | 0.001 mg/g | N/A |
| Delta-9 THCV | ND | N/A | N/A | N/A | N/A | 0.0005 mg/g | 0.001 mg/g | N/A |
| Total Cannabinoids* | 0.0056 % | 0.0559 mg/g | 19.17 mg | 19.17 mg | N/A | N/A | N/A | N/A |
| Total CBD* | 0.0028 % | 0.0280 mg/g | 9.59 mg | 9.59 mg | N/A | N/A | N/A | N/A |
| Delta-9 THC + Delta-8 THC | 0.0012 % | 0.0121 mg/g | 4.15 mg | 4.15 mg | N/A | N/A | N/A | N/A |
| Total THC* | 0.0012 % | 0.0121 mg/g | 4.15 mg | 4.15 mg | N/A | N/A | N/A | N/A |
| Total THCV* | 0.0000 % | 0.0000 mg/g | 0 mg | 0 mg | N/A | N/A | N/A | N/A |

**Total Cannabinoids is calculated as the sum of all quantified cannabinoids.*

**Total CBD is calculated as the sum of CBD and 0.877*(CBDA).*

**Total THC is calculated as the sum of Delta-9 THC, Delta-8 THC, and 0.877*(THCA).*

**Total THCV is calculated as the sum of Delta-8 THCV and Delta-9 THCV.*

TRP

## Terpenes

LAB-TM-066 - Determination of Terpenes by GC-MS
TRP-HEM-260116-001-01 - THU, JAN 22, 2026

| Analyte | Value | Value (mg/g) | Per Serving | Per Package | Action Limit | LOD | LOQ | Status |
|---|---|---|---|---|---|---|---|---|
| Gamma Terpinene | ND | N/A | N/A | N/A | N/A | 0.5 ug/g | 1 ug/g | N/A |
| Valencene | ND | N/A | N/A | N/A | N/A | 0.5 ug/g | 1 ug/g | N/A |
| Beta Myrcene | ND | N/A | N/A | N/A | N/A | 0.5 ug/g | 1 ug/g | N/A |
| Geranyl Acetate | ND | N/A | N/A | N/A | N/A | 0.5 ug/g | 1 ug/g | N/A |
| Geraniol | ND | N/A | N/A | N/A | N/A | 0.5 ug/g | 1 ug/g | N/A |
| Borneol | ND | N/A | N/A | N/A | N/A | 0.5 ug/g | 1 ug/g | N/A |
| Alpha Cedrene | ND | N/A | N/A | N/A | N/A | 0.5 ug/g | 1 ug/g | N/A |
| DL-Menthol | ND | N/A | N/A | N/A | N/A | 0.5 ug/g | 1 ug/g | N/A |
| Trans Nerolidol | ND | N/A | N/A | N/A | N/A | 0.5 ug/g | 1 ug/g | N/A |
| Cis Beta Ocimene | ND | N/A | N/A | N/A | N/A | 0.5 ug/g | 1 ug/g | N/A |
| Beta Pinene | ND | N/A | N/A | N/A | N/A | 0.5 ug/g | 1 ug/g | N/A |
| Linalool | ND | N/A | N/A | N/A | N/A | 0.5 ug/g | 1 ug/g | N/A |
| 1,R-Endo-Fenchyl Alcohol | ND | N/A | N/A | N/A | N/A | 0.5 ug/g | 1 ug/g | N/A |
| Alpha Terpineol | ND | N/A | N/A | N/A | N/A | 0.5 ug/g | 1 ug/g | N/A |
| Limonene | ND | N/A | N/A | N/A | N/A | 0.5 ug/g | 1 ug/g | N/A |
| Eucalyptol | ND | N/A | N/A | N/A | N/A | 0.5 ug/g | 1 ug/g | N/A |
| Guaiol | ND | N/A | N/A | N/A | N/A | 0.5 ug/g | 1 ug/g | N/A |
| Camphene | ND | N/A | N/A | N/A | N/A | 0.5 ug/g | 1 ug/g | N/A |
| Sabinene | ND | N/A | N/A | N/A | N/A | 0.5 ug/g | 1 ug/g | N/A |
| Alpha Terpinene | ND | N/A | N/A | N/A | N/A | 0.5 ug/g | 1 ug/g | N/A |
| Alpha Phellandrene | ND | N/A | N/A | N/A | N/A | 0.5 ug/g | 1 ug/g | N/A |
| Cedrol | ND | N/A | N/A | N/A | N/A | 0.5 ug/g | 1 ug/g | N/A |
| Alpha Pinene | ND | N/A | N/A | N/A | N/A | 0.5 ug/g | 1 ug/g | N/A |
| Caryophyllene Oxide | ND | N/A | N/A | N/A | N/A | 0.5 ug/g | 1 ug/g | N/A |
| Fenchone | ND | N/A | N/A | N/A | N/A | 0.5 ug/g | 1 ug/g | N/A |
| Alpha Bisabolol | ND | N/A | N/A | N/A | N/A | 0.5 ug/g | 1 ug/g | N/A |
| Delta-3 Carene | ND | N/A | N/A | N/A | N/A | 0.5 ug/g | 1 ug/g | N/A |
| Camphor | ND | N/A | N/A | N/A | N/A | 0.5 ug/g | 1 ug/g | N/A |
| Isoborneol | ND | N/A | N/A | N/A | N/A | 0.5 ug/g | 1 ug/g | N/A |
| Sabinene Hydrate | ND | N/A | N/A | N/A | N/A | 0.5 ug/g | 1 ug/g | N/A |
| Terpinolene | ND | N/A | N/A | N/A | N/A | 0.5 ug/g | 1 ug/g | N/A |
| Pulegone | ND | N/A | N/A | N/A | N/A | 0.5 ug/g | 1 ug/g | N/A |
| Isopulegol | ND | N/A | N/A | N/A | N/A | 0.5 ug/g | 1 ug/g | N/A |
| Trans Beta Ocimene | ND | N/A | N/A | N/A | N/A | 0.5 ug/g | 1 ug/g | N/A |
| Alpha Humulene | ND | N/A | N/A | N/A | N/A | 0.5 ug/g | 1 ug/g | N/A |

*Total Terpenes is calculated as the sum of all quantified terpenes.

TRP

## Terpenes

LAB-TM-066 - Determination of Terpenes by GC-MS
TRP-HEM-260116-001-01 - THU, JAN 22, 2026

| Analyte | Value | Value (mg/g) | Per Serving | Per Package | Action Limit | LOD | LOQ | Status |
|---|---|---|---|---|---|---|---|---|
| Trans Caryophyllene | ND | N/A | N/A | N/A | N/A | 0.5 ug/g | 1 ug/g | N/A |
| Nerol | ND | N/A | N/A | N/A | N/A | 0.5 ug/g | 1 ug/g | N/A |
| Cis Nerolidol | ND | N/A | N/A | N/A | N/A | 0.5 ug/g | 1 ug/g | N/A |
| Total Terpenes* | ND | N/A | N/A | N/A | N/A | 0.5 ug/g | 1 ug/g | N/A |

*Total Terpenes is calculated as the sum of all quantified terpenes.

SAL

## Salmonella spp. - qPCR - 25g

LAB-TM-063 - Detection of Presumptive Salmonella spp. in Foods and Dietary Supplements

SAL-HEM-260116-001-01 - THU, JAN 22, 2026

| Analyte | Value | Action Limit | LOD | LOQ | Status |
|---|---|---|---|---|---|
| Salmonella spp. | ND | N/A | N/A | N/A | N/A |

ECOLI

## Total Coliforms & E. coli - Plate - 25g - Full Range

LAB-TM-059 - Enumeration of Escherichia coli and Total Coliform in Foods and Dietary Supplements

ECOLI-HEM-260116-001-01 - THU, JAN 22, 2026

| Analyte | Value | Action Limit | LOD | LOQ | Status |
|---|---|---|---|---|---|
| E. coli | ND | N/A | 10 CFU/g | 10 CFU/g | N/A |
| Total Coliforms | ND | N/A | 10 CFU/g | 10 CFU/g | N/A |

AFLA

## Aflatoxins - USP <561>

LAB-TM-043 - USP 561 Aflatoxins Analysis in Articles of Botanical Origin by LC-TQ

AFLA-HEM-260116-001-01 - WED, JAN 21, 2026

| Analyte | Value | Action Limit | LOD | LOQ | Status |
|---|---|---|---|---|---|
| Aflatoxin G1 | ND | N/A | 0.001 ug/g | 0.002 ug/g | N/A |
| Aflatoxin B1 | ND | N/A | 0.001 ug/g | 0.002 ug/g | N/A |
| Ochratoxin A | ND | N/A | 0.001 ug/g | 0.002 ug/g | N/A |
| Aflatoxin G2 | ND | N/A | 0.001 ug/g | 0.002 ug/g | N/A |
| Aflatoxin B2 | ND | N/A | 0.001 ug/g | 0.002 ug/g | N/A |
| Total Aflatoxins* | 0.000 ug/g | N/A | N/A | N/A | N/A |

**Total Aflatoxins is calculated as the sum of B1, B2, G1, and G2*

PGUSP

## Pesticides - USP <561>m - GC/TQ

LAB-TM-039 - USP 561 Pesticides Analysis in Articles of Botanical Origin by GC/TQ

PGUSP-HEM-260116-001-01 - THU, JAN 22, 2026

| Analyte | Value | Action Limit | LOD | LOQ | Status |
|---|---|---|---|---|---|
| Aldrin | ND | N/A | 0.002 ug/g | 0.006 ug/g | N/A |
| alpha-Endosulfan | ND | N/A | 0.002 ug/g | 0.005 ug/g | N/A |
| alpha-Hexachlorocyclohexane | ND | N/A | 0.002 ug/g | 0.005 ug/g | N/A |
| beta-Endosulfan | ND | N/A | 0.002 ug/g | 0.005 ug/g | N/A |
| beta-Hexachlorocyclohexane | ND | N/A | 0.002 ug/g | 0.005 ug/g | N/A |
| Bromophos-ethyl | ND | 0.05 ug/g | 0.002 ug/g | 0.005 ug/g | PASS |
| Bromophos-methyl | ND | 0.05 ug/g | 0.002 ug/g | 0.005 ug/g | PASS |
| Bromopropylate | ND | 3 ug/g | 0.002 ug/g | 0.005 ug/g | PASS |
| Chlorpyrifos-methyl | ND | 0.1 ug/g | 0.002 ug/g | 0.005 ug/g | PASS |
| Chlorthal-dimethyl | ND | 0.01 ug/g | 0.002 ug/g | 0.005 ug/g | PASS |
| cis-Chlordane | ND | N/A | 0.002 ug/g | 0.005 ug/g | N/A |
| cis-Heptachlorepoxide | ND | N/A | 0.002 ug/g | 0.005 ug/g | N/A |
| delta-Hexachlorocyclohexane | ND | N/A | 0.002 ug/g | 0.005 ug/g | N/A |
| Dicofol | ND | 0.5 ug/g | 0.002 ug/g | 0.005 ug/g | PASS |
| Dieldrin | ND | N/A | 0.002 ug/g | 0.005 ug/g | N/A |
| Endosulfan Sulfate | ND | N/A | 0.002 ug/g | 0.005 ug/g | N/A |
| Endrin | ND | 0.05 ug/g | 0.002 ug/g | 0.007 ug/g | PASS |
| epsilon-Hexachlorocyclohexane | ND | N/A | 0.002 ug/g | 0.005 ug/g | N/A |
| Fenchlorophos | ND | N/A | 0.002 ug/g | 0.005 ug/g | N/A |
| Fenchlorophos-oxon | ND | N/A | 0.002 ug/g | 0.005 ug/g | N/A |
| Fenitrothion | ND | 0.5 ug/g | 0.002 ug/g | 0.005 ug/g | PASS |
| Fenvalerate | ND | 1.5 ug/g | 0.002 ug/g | 0.005 ug/g | PASS |
| Heptachlor | ND | N/A | 0.002 ug/g | 0.005 ug/g | N/A |
| Hexachlorobenzene | ND | 0.1 ug/g | 0.002 ug/g | 0.005 ug/g | PASS |
| Lindane (gamma-Hexachlorocyclohexane) | ND | 0.6 ug/g | 0.002 ug/g | 0.005 ug/g | PASS |
| Methacriphos | ND | 0.05 ug/g | 0.004 ug/g | 0.012 ug/g | PASS |
| Methoxychlor | ND | 0.05 ug/g | 0.004 ug/g | 0.013 ug/g | PASS |
| Methylpentachlorphenyl Sulfide | ND | N/A | 0.002 ug/g | 0.005 ug/g | N/A |
| Mirex | ND | 0.01 ug/g | 0.002 ug/g | 0.005 ug/g | PASS |
| o,p'-DDE | ND | N/A | 0.002 ug/g | 0.005 ug/g | N/A |
| o,p'-DDT | ND | N/A | 0.002 ug/g | 0.005 ug/g | N/A |
| o,p'-TDE | ND | N/A | 0.002 ug/g | 0.005 ug/g | N/A |
| Oxychlordane | ND | N/A | 0.005 ug/g | 0.01 ug/g | N/A |
| p,p'-DDE | ND | N/A | 0.002 ug/g | 0.005 ug/g | N/A |

*Total Chlordanes is calculated as the sum of cis-Chlordane, trans-Chlordane, and Oxychlordane.

*Total DDTs is calculated as the sum of o,p'-DDE, p,p'-DDE, o,p'-DDT, p,p'-DDT, o,p'-TDE, and p,p'-TDE.

*Total Endosulfans is calculated as the sum of alpha-Endosulfan, beta-Endosulfan, and Endosulfan Sulfate.

*Total Fenchlorophos is calculated as the sum of Fenchlorophos and Fencholorophos-oxon.

*Total Heptachlors is calculated as the sum of Heptachlor, cis-Heptachlorepoxide, and trans-Heptachlorepoxide.

*Total Hexachlorocyclohexanes is calculated as the sum of alpha-Hexachlorocyclohexane, beta-Hexachlorocyclohexane, delta-Hexachlorocyclohexane, and epsilon-Hexachlorocyclohexane.

*Total Quintozenes is calculated as the sum of Pentachloronitrobenzene (Quintozene), Pentachloroaniline, and Methylpentachlorphenyl Sulfide.

Modified test method does not include the following analytes: Bromide, inorganic (calculated as bromide ion), Dichlofluanid, Dithiocarbamates (as CS2), N-desethyl-pirimiphos-methyl

PGUSP

## Pesticides - USP <561>m - GC/TQ

LAB-TM-039 - USP 561 Pesticides Analysis in Articles of Botanical Origin by GC/TQ
PGUSP-HEM-260116-001-01 - THU, JAN 22, 2026

| Analyte | Value | Action Limit | LOD | LOQ | Status |
|---|---|---|---|---|---|
| p,p'-DDT | ND | N/A | 0.002 ug/g | 0.005 ug/g | N/A |
| p,p'-TDE | ND | N/A | 0.002 ug/g | 0.005 ug/g | N/A |
| Paraoxon-ethyl | ND | N/A | 0.005 ug/g | 0.01 ug/g | N/A |
| Paraoxon-methyl | ND | N/A | 0.005 ug/g | 0.01 ug/g | N/A |
| Parathion-ethyl | ND | N/A | 0.002 ug/g | 0.005 ug/g | N/A |
| Parathion-methyl | ND | N/A | 0.002 ug/g | 0.005 ug/g | N/A |
| Pentachloroaniline | ND | N/A | 0.002 ug/g | 0.005 ug/g | N/A |
| Pentachloroanisole | ND | 0.01 ug/g | 0.002 ug/g | 0.005 ug/g | PASS |
| Pentachloronitrobenzene (Quintozene) | ND | N/A | 0.002 ug/g | 0.005 ug/g | N/A |
| Procymidone | ND | 0.1 ug/g | 0.002 ug/g | 0.005 ug/g | PASS |
| S-421 | ND | 0.02 ug/g | 0.002 ug/g | 0.005 ug/g | PASS |
| tau-Fluvalinate | ND | 0.05 ug/g | 0.002 ug/g | 0.005 ug/g | PASS |
| Tecnazene | ND | 0.05 ug/g | 0.002 ug/g | 0.005 ug/g | PASS |
| Tetradifon | ND | 0.3 ug/g | 0.002 ug/g | 0.005 ug/g | PASS |
| trans-Chlordane | ND | N/A | 0.002 ug/g | 0.005 ug/g | N/A |
| trans-Heptachlorepoxide | ND | N/A | 0.004 ug/g | 0.012 ug/g | N/A |
| Vinclozolin | ND | 0.4 ug/g | 0.002 ug/g | 0.005 ug/g | PASS |
| Aldrin + Dieldrin | 0.000 ug/g | 0.05 ug/g | N/A | N/A | PASS |
| Parathion-ethyl + Paraoxon-ethyl | 0.000 ug/g | 0.5 ug/g | N/A | N/A | PASS |
| Parathion-methyl + Paraoxon-methyl | 0.000 ug/g | 0.2 ug/g | N/A | N/A | PASS |
| Total Chlordanes - USP* | 0.000 ug/g | 0.05 ug/g | N/A | N/A | PASS |
| Total DDTs* | 0.000 ug/g | 1 ug/g | N/A | N/A | PASS |
| Total Endosulfans* | 0.000 ug/g | 3 ug/g | N/A | N/A | PASS |
| Total Fenchlorophos* | 0.000 ug/g | 0.1 ug/g | N/A | N/A | PASS |
| Total Heptachlors* | 0.000 ug/g | 0.05 ug/g | N/A | N/A | PASS |
| Total Hexachlorocyclohexanes* | 0.000 ug/g | 0.3 ug/g | N/A | N/A | PASS |
| Total Quintozenes* | 0.000 ug/g | 1 ug/g | N/A | N/A | PASS |

**Total Chlordanes is calculated as the sum of cis-Chlordane, trans-Chlordane, and Oxychlordane.*
**Total DDTs is calculated as the sum of o,p'-DDE, p,p'-DDE, o,p'-DDT, p,p'-DDT, o,p'-TDE, and p,p'-TDE.*
**Total Endosulfans is calculated as the sum of alpha-Endosulfan, beta-Endosulfan, and Endosulfan Sulfate.*
**Total Fenchlorophos is calculated as the sum of Fenchlorophos and Fencholorophos-oxon.*
**Total Heptachlors is calculated as the sum of Heptachlor, cis-Heptachlorepoxide, and trans-Heptachlorepoxide.*
**Total Hexachlorocyclohexanes is calculated as the sum of alpha-Hexachlorocyclohexane, beta-Hexachlorocyclohexane, delta-Hexachlorocyclohexane, and epsilon-Hexachlorocyclohexane.*
**Total Quintozenes is calculated as the sum of Pentachloronitrobenzene (Quintozene), Pentachloroaniline, and Methylpentachlorphenyl Sulfide.*

*Modified test method does not include the following analytes: Bromide, inorganic (calculated as bromide ion), Dichlofluanid, Dithiocarbamates (as CS2), N-desethyl-pirimiphos-methyl*

PLUSP

## Pesticides - USP <561>m - LC/TQ

LAB-TM-038 - USP 561 Pesticide Analysis in Articles of Botanical Origin by LC/TQ
PLUSP-HEM-260116-001-01 - THU, JAN 22, 2026

| Analyte | Value | Action Limit | LOD | LOQ | Status |
|---|---|---|---|---|---|
| Acephate | ND | 0.1 ug/g | 12.5 ng/g | 25 ng/g | PASS |
| Alachlor | ND | 0.05 ug/g | 12.5 ng/g | 25 ng/g | PASS |
| Azinphos-ethyl | ND | 0.1 ug/g | 12.5 ng/g | 25 ng/g | PASS |
| Azinphos-methyl | ND | 1 ug/g | 12.5 ng/g | 25 ng/g | PASS |
| Chlorfenvinphos | ND | 0.5 ug/g | 12.5 ng/g | 25 ng/g | PASS |
| Chlorpyrifos-ethyl | ND | 0.2 ug/g | 12.5 ng/g | 25 ng/g | PASS |
| Cyfluthrin | ND | 0.1 ug/g | 12.5 ng/g | 25 ng/g | PASS |
| Cypermethrin | ND | 1 ug/g | 12.5 ng/g | 25 ng/g | PASS |
| Deltamethrin | ND | 0.5 ug/g | 12.5 ng/g | 25 ng/g | PASS |
| Diazinon | ND | 0.5 ug/g | 12.5 ng/g | 25 ng/g | PASS |
| Dichlorvos | ND | 1 ug/g | 12.5 ng/g | 25 ng/g | PASS |
| Dimethoate | ND | N/A | 12.5 ng/g | 25 ng/g | N/A |
| Ethion | ND | 2 ug/g | 12.5 ng/g | 25 ng/g | PASS |
| Etrimphos | ND | 0.05 ug/g | 12.5 ng/g | 25 ng/g | PASS |
| Fenpropathrin | ND | 0.03 ug/g | 12.5 ng/g | 25 ng/g | PASS |
| Fensulfothion | ND | N/A | 12.5 ng/g | 25 ng/g | N/A |
| Fensulfothion Oxon | ND | N/A | 12.5 ng/g | 25 ng/g | N/A |
| Fensulfothion Oxonsulfone | ND | N/A | 12.5 ng/g | 25 ng/g | N/A |
| Fensulfothion Sulfone | ND | N/A | 12.5 ng/g | 25 ng/g | N/A |
| Fenthion | ND | N/A | 12.5 ng/g | 25 ng/g | N/A |
| Fenthion Oxon | ND | N/A | 12.5 ng/g | 25 ng/g | N/A |
| Fenthion Oxon Sulfone | ND | N/A | 12.5 ng/g | 25 ng/g | N/A |
| Fenthion Oxon Sulfoxide | ND | N/A | 12.5 ng/g | 25 ng/g | N/A |
| Fenthion Sulfone | ND | N/A | 12.5 ng/g | 25 ng/g | N/A |
| Fenthion Sulfoxide | ND | N/A | 12.5 ng/g | 25 ng/g | N/A |
| Flucythrinate | ND | 0.05 ug/g | 12.5 ng/g | 25 ng/g | PASS |
| Fonophos | ND | 0.05 ug/g | 12.5 ng/g | 25 ng/g | PASS |
| lambda-Cyhalothrin | ND | 1 ug/g | 12.5 ng/g | 25 ng/g | PASS |
| Malaoxon | ND | N/A | 12.5 ng/g | 25 ng/g | N/A |
| Malathion | ND | N/A | 12.5 ng/g | 25 ng/g | N/A |
| Mecarbam | ND | 0.05 ug/g | 12.5 ng/g | 25 ng/g | PASS |
| Methamidophos | ND | 0.05 ug/g | 12.5 ng/g | 25 ng/g | PASS |
| Methidathion | ND | 0.2 ug/g | 12.5 ng/g | 25 ng/g | PASS |
| Monocrotophos | ND | 0.1 ug/g | 12.5 ng/g | 25 ng/g | PASS |
| Omethoate | ND | N/A | 12.5 ng/g | 25 ng/g | N/A |

*Total Fensulfothions is calculated as the sum of Fensulfothion, Fensulfothion Oxon, Fensulfothion Oxonsulfone, and Fensulfothion Sulfone.
*Total Fenthions is calculated as the sum of Fenthion, Fenthion Oxon, Fenthion Oxon Sulfone, Fenthion Oxon Sulfoxide, Fenthion Sulfone, and Fenthion Sulfoxide.
*Total Pyrethrins is calculated as the sum of Cinerin I, Cinerin II, Jasmolin I, Jasmolin II, Pyrethrin I, and Pyrethrin II.

Modified test method does not include the following analytes: Bromide, inorganic (calculated as bromide ion), Dichlofluanid, Dithiocarbamates (as CS2), N-desethyl-pirimiphos-methyl

PLUSP

## Pesticides - USP <561>m - LC/TQ

LAB-TM-038 - USP 561 Pesticide Analysis in Articles of Botanical Origin by LC/TQ

PLUSP-HEM-260116-001-01 - THU, JAN 22, 2026

| Analyte | Value | Action Limit | LOD | LOQ | Status |
|---|---|---|---|---|---|
| Pendimethalin | ND | 0.1 ug/g | 12.5 ng/g | 25 ng/g | PASS |
| Permethrins (Sum of cis-Permethrin and trans-Permethrin) | ND | 1 ug/g | 12.5 ng/g | 25 ng/g | PASS |
| Phosalone | ND | 0.1 ug/g | 12.5 ng/g | 25 ng/g | PASS |
| Phosmet | ND | 0.05 ug/g | 12.5 ng/g | 25 ng/g | PASS |
| Piperonyl Butoxide | ND | 3 ug/g | 12.5 ng/g | 25 ng/g | PASS |
| Pirimiphos-ethyl | ND | 0.05 ug/g | 12.5 ng/g | 25 ng/g | PASS |
| Pirimiphos-methyl | ND | 4 ug/g | 12.5 ng/g | 25 ng/g | PASS |
| Profenophos | ND | 0.1 ug/g | 12.5 ng/g | 25 ng/g | PASS |
| Prothiophos | ND | 0.05 ug/g | 12.5 ng/g | 25 ng/g | PASS |
| Pyrethrins Cinerin I | ND | N/A | 3.75 ng/g | 7.5 ng/g | N/A |
| Pyrethrins Cinerin II | ND | N/A | 2.5 ng/g | 5 ng/g | N/A |
| Pyrethrins Jasmolin I | ND | N/A | 0.5 ng/g | 2.5 ng/g | N/A |
| Pyrethrins Jasmolin II | ND | N/A | 1.25 ng/g | 2.5 ng/g | N/A |
| Pyrethrins Pyrethrin I | ND | N/A | 6.75 ng/g | 33.75 ng/g | N/A |
| Pyrethrins Pyrethrin II | ND | N/A | 3.25 ng/g | 16.25 ng/g | N/A |
| Quinalphos | ND | 0.05 ug/g | 12.5 ng/g | 25 ng/g | PASS |
| Dimethoate + Omethoate | 0.000 ug/g | 0.1 ug/g | N/A | N/A | PASS |
| Malathion + Malaoxon | 0.000 ug/g | 1 ug/g | N/A | N/A | PASS |
| Total Fensulfothions* | 0.000 ug/g | 0.05 ug/g | N/A | N/A | PASS |
| Total Fenthions* | 0.000 ug/g | 0.05 ug/g | N/A | N/A | PASS |
| Total Pyrethrins* | 0.000 ug/g | 3 ug/g | N/A | N/A | PASS |

**Total Fensulfothions is calculated as the sum of Fensulfothion, Fensulfothion Oxon, Fensulfothion Oxonsulfone, and Fensulfothion Sulfone.*

**Total Fenthions is calculated as the sum of Fenthion, Fenthion Oxon, Fenthion Oxon Sulfone, Fenthion Oxon Sulfoxide, Fenthion Sulfone, and Fenthion Sulfoxide.*

**Total Pyrethrins is calculated as the sum of Cinerin I, Cinerin II, Jasmolin I, Jasmolin II, Pyrethrin I, and Pyrethrin II.*

*Modified test method does not include the following analytes: Bromide, inorganic (calculated as bromide ion), Dichlofluanid, Dithiocarbamates (as CS2), N-desethyl-pirimiphos-methyl*

TYM

## Total Yeast & Mold - qPCR

LAB-TM-006 - Microbial Analysis by qPCR
TYM-HEM-260116-001-01 - THU, JAN 22, 2026

| Analyte | Value | Action Limit | LOD | LOQ | Status |
|---|---|---|---|---|---|
| Total Yeast and Mold* | ND | N/A | 1 CFU/g | 1 CFU/g | N/A |

*Total Yeast and Mold is calculated as the sum of Total Yeast and Total Mold

PH

## pH

LAB-TM-018 - Determination of pH
PH-HEM-260116-001-01 - WED, JAN 21, 2026

| Analyte | Value | Action Limit | LOD | LOQ | Status |
|---|---|---|---|---|---|
| pH | 4.928 | N/A | N/A | N/A | N/A |

LMON

## Listeria monocytogenes - qPCR - 25g

LAB-TM-064 - Detection of Presumptive L. monocytogenes in Foods and Dietary Supplements
LMON-HEM-260116-001-01 - THU, JAN 22, 2026

| Analyte | Value | Action Limit | LOD | LOQ | Status |
|---|---|---|---|---|---|
| Listeria monocytogenes | ND | N/A | N/A | N/A | N/A |

TPROT

## Proteins - Total

LAB-TM-069 - Determination of Carbon and Nitrogen Content by Leco CN928
TPROT-HEM-260116-001-01 - FRI, JAN 23, 2026

| Analyte | Value | Value (mg/g) | Per Serving | Per Package | Action Limit | LOD | LOQ | Status |
|---|---|---|---|---|---|---|---|---|
| Crude Protein | <LOQ | N/A | N/A | N/A | N/A | 0.00 % | 1.11 % | N/A |
| Nitrogen | <LOQ | N/A | N/A | N/A | N/A | 0.01 % | 0.19 % | N/A |

GLUTE

## Gluten - ELISA

LAB-TM-075 - Quantification of Gluten in Raw and Processed Foods by ELISA
GLUTE-HEM-260116-001-01 - THU, JAN 22, 2026

| Analyte | Value | Action Limit | LOD | LOQ | Status |
|---|---|---|---|---|---|
| Gluten | ND | N/A | 1.25 ug/g | 2.5 ug/g | N/A |

HVMET

## Heavy Metals - Big 4

LAB-TM-044 - Determination of Heavy Metals by ICP-MS
HVMET-HEM-260116-001-01 - WED, JAN 21, 2026

| Analyte | Value | Value (mg/g) | Per Serving | Per Package | Action Limit | LOD | LOQ | Status |
|---|---|---|---|---|---|---|---|---|
| Arsenic | ND | N/A | N/A | N/A | N/A | 0.509 ug/kg | 2.062 ug/kg | N/A |
| Cadmium | ND | N/A | N/A | N/A | N/A | 0.256 ug/kg | 0.509 ug/kg | N/A |
| Lead | ND | N/A | N/A | N/A | N/A | 0.255 ug/kg | 0.515 ug/kg | N/A |
| Mercury | <LOQ | N/A | N/A | N/A | N/A | 0.025 ug/kg | 0.057 ug/kg | N/A |

DTOES

## Nutritional Elements

LAB-TM-070 - Determination of Nutritional Elements by ICP-OES
DTOES-HEM-260116-001-01 - WED, JAN 21, 2026

| Analyte | Value | Value (mg/g) | Per Serving | Per Package | Action Limit | LOD | LOQ | Status |
|---|---|---|---|---|---|---|---|---|
| Aluminum | 0.00 mg/g | 0.00 mg/g | 0.03 mg | 0.03 mg | N/A | 0.02 ug/g | 0.05 ug/g | N/A |
| Barium | ND | N/A | N/A | N/A | N/A | 0.02 ug/g | 0.05 ug/g | N/A |
| Boron | 0.00 mg/g | 0.00 mg/g | 0.13 mg | 0.13 mg | N/A | 0.02 ug/g | 0.05 ug/g | N/A |
| Calcium | 0.03 mg/g | 0.03 mg/g | 10.97 mg | 10.97 mg | N/A | 0.25 ug/g | 0.5 ug/g | N/A |
| Cobalt | <LOQ | N/A | N/A | N/A | N/A | 0.02 ug/g | 0.05 ug/g | N/A |
| Copper | 0.00 mg/g | 0.00 mg/g | 0.03 mg | 0.03 mg | N/A | 0.02 ug/g | 0.05 ug/g | N/A |
| Iron | <LOQ | N/A | N/A | N/A | N/A | 0.02 ug/g | 0.05 ug/g | N/A |
| Magnesium | 0.01 mg/g | 0.01 mg/g | 3.61 mg | 3.61 mg | N/A | 0.25 ug/g | 0.5 ug/g | N/A |
| Manganese | ND | N/A | N/A | N/A | N/A | 0.02 ug/g | 0.05 ug/g | N/A |
| Molybdenum | ND | N/A | N/A | N/A | N/A | 0.02 ug/g | 0.05 ug/g | N/A |
| Nickel | ND | N/A | N/A | N/A | N/A | 0.02 ug/g | 0.05 ug/g | N/A |
| Phosphorus | ND | N/A | N/A | N/A | N/A | 0.25 ug/g | 0.5 ug/g | N/A |
| Potassium | 0.00 mg/g | 0.00 mg/g | 1.63 mg | 1.63 mg | N/A | 0.25 ug/g | 0.5 ug/g | N/A |
| Selenium | ND | N/A | N/A | N/A | N/A | 0.02 ug/g | 0.05 ug/g | N/A |
| Sodium | 0.01 mg/g | 0.01 mg/g | 5.02 mg | 5.02 mg | N/A | 0.02 ug/g | 0.05 ug/g | N/A |
| Strontium | 0.00 mg/g | 0.00 mg/g | 0.05 mg | 0.05 mg | N/A | 0.02 ug/g | 0.05 ug/g | N/A |
| Sulfur | 0.01 mg/g | 0.01 mg/g | 4.88 mg | 4.88 mg | N/A | 0.02 ug/g | 0.05 ug/g | N/A |
| Thallium | ND | N/A | N/A | N/A | N/A | 0.02 ug/g | 0.05 ug/g | N/A |
| Tin | ND | N/A | N/A | N/A | N/A | 0.02 ug/g | 0.05 ug/g | N/A |
| Vanadium | ND | N/A | N/A | N/A | N/A | 0.02 ug/g | 0.05 ug/g | N/A |
| Zinc | <LOQ | N/A | N/A | N/A | N/A | 0.02 ug/g | 0.05 ug/g | N/A |