

# CERTIFICATE OF ANALYSIS



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**SAMPLE NAME:** L03-T-040325-01  
**SAMPLE CODE:** HEM-250403-001  
**CLIENT:** PERFECTLY DOSED  
**BATCH RESULT:** PASS

**MATRIX NAME:** Emulsion - Liquid  
**SAMPLE TYPE:** Quality Assurance  
**RECEIVED DATE:** Mon, Apr 7, 2025  
**PUBLISHED DATE:** Thu, Apr 10, 2025  
**BATCH/LOT CODE:** L03-T-040325-01  
**BATCH SIZE:** N/A  
**SAMPLE SIZE:** 0.15lbs

**TOTAL CANNABINOIDS** 5.4522 %

**TOTAL THC** 5.1713 %

**TOTAL CBD** 0.0000 %



POT



**Cannabinoids**  
Potency

SOL



**Residual Solvents**  
USP <467>

ASP



**Aspergillus**  
qPCR

AFLA



**Aflatoxins**  
USP <561>

SS



**Salmonella & STEC**  
qPCR

HPMET



**Heavy Metals**  
7

CAPLC



**Chemical Residue**  
CA Hemp

CAPGC



**Chemical Residue**  
CA Hemp

## APPROVALS

### RESULTS REVIEWED BY:

**Leslie Varela**  
Laboratory Director

Cambium Analytica  
Thursday, Apr 10, 2025

### RESULTS CERTIFIED BY:

**Douglas Smith**  
VP - Scientific Operations

Cambium Analytica  
Thursday, Apr 10, 2025

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| ANALYTE                   | VALUE    | VALUE (MG/G) | ACTION LIMIT | LOD      | LOQ      | STATUS |
|---------------------------|----------|--------------|--------------|----------|----------|--------|
| Delta-9 THC               | 5.1713 % | 51.713 mg/g  | N/A          | 100 ug/g | 200 ug/g | N/A    |
| CBN                       | 0.1577 % | 1.577 mg/g   | N/A          | 100 ug/g | 200 ug/g | N/A    |
| CBG                       | 0.0840 % | 0.840 mg/g   | N/A          | 100 ug/g | 200 ug/g | N/A    |
| CBC                       | 0.0393 % | 0.393 mg/g   | N/A          | 100 ug/g | 200 ug/g | N/A    |
| (6aR,9R)-Delta-10 THC     | ND       | N/A          | N/A          | 100 ug/g | 200 ug/g | N/A    |
| (6aR,9S)-Delta-10 THC     | ND       | N/A          | N/A          | 100 ug/g | 200 ug/g | N/A    |
| CBD                       | ND       | N/A          | N/A          | 100 ug/g | 200 ug/g | N/A    |
| CBDA                      | ND       | N/A          | N/A          | 100 ug/g | 200 ug/g | N/A    |
| CBDV                      | ND       | N/A          | N/A          | 100 ug/g | 200 ug/g | N/A    |
| CBGA                      | ND       | N/A          | N/A          | 100 ug/g | 200 ug/g | N/A    |
| Delta-8 THC               | ND       | N/A          | N/A          | 100 ug/g | 200 ug/g | N/A    |
| Delta-8 THCV              | ND       | N/A          | N/A          | 100 ug/g | 200 ug/g | N/A    |
| Delta-9 THCV              | <LOQ     | N/A          | N/A          | 100 ug/g | 200 ug/g | N/A    |
| THCA                      | ND       | N/A          | N/A          | 100 ug/g | 200 ug/g | N/A    |
| Total Cannabinoids*       | 5.4522 % | 54.522 mg/g  | N/A          | N/A      | N/A      | N/A    |
| Delta-9 THC + Delta-8 THC | 5.1713 % | 51.713 mg/g  | N/A          | N/A      | N/A      | N/A    |
| Total THC*                | 5.1713 % | 51.713 mg/g  | N/A          | N/A      | N/A      | N/A    |
| Total CBD*                | 0.0000 % | 0.000 mg/g   | N/A          | N/A      | N/A      | N/A    |
| Total THCV*               | 0.0000 % | 0.000 mg/g   | N/A          | N/A      | N/A      | N/A    |

\*Total Cannabinoids is calculated as the sum of all quantified cannabinoids.  
\*Total THC is calculated as the sum of Delta-9 THC, Delta-8 THC, and 0.877\*(THCA).  
\*Total CBD is calculated as the sum of CBD and 0.877\*(CBDA).  
\*Total THCV is calculated as the sum of Delta-8 THCV and Delta-9 THCV.





| ANALYTE                                                                                               | VALUE      | ACTION LIMIT | LOD        | LOQ        | STATUS |
|-------------------------------------------------------------------------------------------------------|------------|--------------|------------|------------|--------|
| 1,2-Dichloroethane                                                                                    | ND         | N/A          | 0.4 ug/g   | 1.00 ug/g  | N/A    |
| 2-Methylbutane                                                                                        | ND         | N/A          | 1.54 ug/g  | 5.14 ug/g  | N/A    |
| 2-Methylpentane                                                                                       | ND         | N/A          | 0.046 ug/g | 0.154 ug/g | N/A    |
| 2,2-Dimethylbutane                                                                                    | ND         | N/A          | 0.98 ug/g  | 3.27 ug/g  | N/A    |
| 2,3-Dimethylbutane                                                                                    | ND         | N/A          | 2.19 ug/g  | 7.32 ug/g  | N/A    |
| 3-Methylpentane                                                                                       | ND         | N/A          | 0.73 ug/g  | 2.44 ug/g  | N/A    |
| Acetone                                                                                               | ND         | N/A          | 1.57 ug/g  | 5.23 ug/g  | N/A    |
| Acetonitrile                                                                                          | ND         | N/A          | 1.85 ug/g  | 6.17 ug/g  | N/A    |
| Benzene                                                                                               | ND         | N/A          | 0.18 ug/g  | 0.50 ug/g  | N/A    |
| Butane                                                                                                | ND         | N/A          | 1.68 ug/g  | 5.59 ug/g  | N/A    |
| Chloroform                                                                                            | ND         | N/A          | 0.78 ug/g  | 1.00 ug/g  | N/A    |
| Ethanol                                                                                               | ND         | N/A          | 6.02 ug/g  | 20.1 ug/g  | N/A    |
| Ethyl Acetate                                                                                         | ND         | N/A          | 1.95 ug/g  | 6.49 ug/g  | N/A    |
| Ethyl Ether                                                                                           | ND         | N/A          | 1.37 ug/g  | 4.55 ug/g  | N/A    |
| Ethylene Oxide                                                                                        | ND         | N/A          | 0.15 ug/g  | 0.49 ug/g  | N/A    |
| Heptane                                                                                               | ND         | N/A          | 1.31 ug/g  | 4.37 ug/g  | N/A    |
| Hexane                                                                                                | ND         | N/A          | 1.42 ug/g  | 4.74 ug/g  | N/A    |
| Isobutane                                                                                             | ND         | N/A          | 1.6 ug/g   | 5.34 ug/g  | N/A    |
| Isopropyl Alcohol                                                                                     | ND         | N/A          | 4.9 ug/g   | 16.3 ug/g  | N/A    |
| Methanol                                                                                              | ND         | N/A          | 7.89 ug/g  | 26.4 ug/g  | N/A    |
| Methylene Chloride                                                                                    | ND         | N/A          | 1.36 ug/g  | 4.53 ug/g  | N/A    |
| Neopentane                                                                                            | ND         | N/A          | 1.49 ug/g  | 4.97 ug/g  | N/A    |
| Pentane                                                                                               | ND         | N/A          | 1.46 ug/g  | 4.87 ug/g  | N/A    |
| Propane                                                                                               | ND         | N/A          | 1.95 ug/g  | 6.51 ug/g  | N/A    |
| Toluene                                                                                               | ND         | N/A          | 1.88 ug/g  | 6.26 ug/g  | N/A    |
| Total Xylenes                                                                                         | ND         | N/A          | 2.02 ug/g  | 6.72 ug/g  | N/A    |
| Trichloroethylene                                                                                     | ND         | N/A          | 0.29 ug/g  | 0.96 ug/g  | N/A    |
| Butanes (Sum of Butane and Isobutane)                                                                 | 0.000 ug/g | N/A          | N/A        | N/A        | N/A    |
| Hexanes (Sum of Hexane, 2,2-Dimethylbutane, 2,3-Dimethylbutane, 2-Methylpentane, and 3-Methylpentane) | 0.000 ug/g | N/A          | N/A        | N/A        | N/A    |
| Pentanes (Sum of Pentane, 2-Methylbutane, and Neopentane)                                             | 0.000 ug/g | N/A          | N/A        | N/A        | N/A    |



ASP

ASPERGILLUS - QPCR  
LAB-TM-006 - MICROBIAL ANALYSIS BY QPCR  
ASP-HEM-250403-001-01 - THU, APR 10, 2025



| ANALYTE               | VALUE | ACTION LIMIT | LOD | LOQ | STATUS |
|-----------------------|-------|--------------|-----|-----|--------|
| Aspergillus Flavus    | ND    | N/A          | N/A | N/A | N/A    |
| Aspergillus Fumigatus | ND    | N/A          | N/A | N/A | N/A    |
| Aspergillus Niger     | ND    | N/A          | N/A | N/A | N/A    |
| Aspergillus Spp       | ND    | N/A          | N/A | N/A | N/A    |
| Aspergillus Terreus   | ND    | N/A          | N/A | N/A | N/A    |

AFLA

AFLATOXINS - USP <561>  
LAB-TM-043 - USP 561 AFLATOXINS ANALYSIS IN ARTICLES OF BOTANICAL ORIGIN BY LC-TQ  
AFLA-HEM-250403-001-01 - WED, APR 9, 2025



| ANALYTE                                | VALUE      | ACTION LIMIT | LOD        | LOQ        | STATUS |
|----------------------------------------|------------|--------------|------------|------------|--------|
| Aflatoxin B1                           | 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    |
| Aflatoxin G1                           | 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    |
| Ochratoxin A                           | ND         | N/A          | 0.001 ug/g | 0.002 ug/g | N/A    |
| Aflatoxins (Sum of B1, B2, G1, and G2) | 0.000 ug/g | N/A          | N/A        | N/A        | N/A    |

SS

SALMONELLA & STEC- QPCR  
LAB-TM-006 - MICROBIAL ANALYSIS BY QPCR  
SS-HEM-250403-001-01 - THU, APR 10, 2025



| ANALYTE                       | VALUE | ACTION LIMIT | LOD | LOQ | STATUS |
|-------------------------------|-------|--------------|-----|-----|--------|
| Salmonella Spp                | ND    | N/A          | N/A | N/A | N/A    |
| Shiga Toxin Producing E. coli | ND    | N/A          | N/A | N/A | N/A    |

HPMET

HEAVY METALS - 7  
LAB-TM-044 - DETERMINATION OF HEAVY METALS BY ICP-MS  
HPMET-HEM-250403-001-01 - WED, APR 9, 2025



| ANALYTE  | VALUE      | VALUE (MG/G) | ACTION LIMIT | LOD         | LOQ         | STATUS |
|----------|------------|--------------|--------------|-------------|-------------|--------|
| Arsenic  | ND         | N/A          | N/A          | 0.198 ug/kg | 0.662 ug/kg | N/A    |
| Cadmium  | ND         | N/A          | N/A          | 0.082 ug/kg | 0.272 ug/kg | N/A    |
| Chromium | 0.005 ug/g | 0.000 mg/g   | N/A          | 0.627 ug/kg | 2.091 ug/kg | N/A    |
| Copper   | 0.175 ug/g | 0.000 mg/g   | N/A          | 0.155 ug/kg | 0.515 ug/kg | N/A    |
| Lead     | <LOQ       | N/A          | N/A          | 0.155 ug/kg | 0.515 ug/kg | N/A    |
| Mercury  | 0.000 ug/g | 0.000 mg/g   | N/A          | 0.017 ug/kg | 0.057 ug/kg | N/A    |
| Nickel   | 0.007 ug/g | 0.000 mg/g   | N/A          | 0.321 ug/kg | 1.071 ug/kg | N/A    |



CAPLC

CHEMICAL RESIDUE - CA HEMP - LC/TQ  
LAB-TM-105 - DETERMINATION OF CHEMICAL RESIDUE BY LC-TQ - CALIFORNIA RESIDUAL PESTICIDE LIST  
CAPLC-HEM-250403-001-01 - WED, APR 9, 2025

| ANALYTE             | VALUE | ACTION LIMIT | LOD        | LOQ        | STATUS |
|---------------------|-------|--------------|------------|------------|--------|
| Abamectin           | ND    | N/A          | 0.063 ug/g | 0.125 ug/g | N/A    |
| Acephate            | ND    | N/A          | 0.063 ug/g | 0.125 ug/g | N/A    |
| Acequinocyl         | ND    | N/A          | 0.063 ug/g | 0.125 ug/g | N/A    |
| Acetamiprid         | ND    | N/A          | 0.063 ug/g | 0.125 ug/g | N/A    |
| Aldicarb            | ND    | N/A          | 0.063 ug/g | 0.125 ug/g | N/A    |
| Azoxystrobin        | ND    | N/A          | 0.063 ug/g | 0.125 ug/g | N/A    |
| Bifenazate          | ND    | N/A          | 0.063 ug/g | 0.125 ug/g | N/A    |
| Bifenthrin          | ND    | N/A          | 0.063 ug/g | 0.125 ug/g | N/A    |
| Boscalid            | ND    | N/A          | 0.063 ug/g | 0.125 ug/g | N/A    |
| Carbaryl            | ND    | N/A          | 0.063 ug/g | 0.125 ug/g | N/A    |
| Carbofuran          | ND    | N/A          | 0.063 ug/g | 0.125 ug/g | N/A    |
| Chlorantraniliprole | ND    | N/A          | 0.063 ug/g | 0.125 ug/g | N/A    |
| Chlorpyrifos        | ND    | N/A          | 0.063 ug/g | 0.125 ug/g | N/A    |
| Clofentezine        | ND    | N/A          | 0.063 ug/g | 0.125 ug/g | N/A    |
| Coumaphos           | ND    | N/A          | 0.063 ug/g | 0.125 ug/g | N/A    |
| Cyfluthrin          | ND    | N/A          | 0.313 ug/g | 0.625 ug/g | N/A    |
| Cypermethrin        | ND    | N/A          | 0.063 ug/g | 0.125 ug/g | N/A    |
| Daminozide          | ND    | N/A          | 0.063 ug/g | 0.125 ug/g | N/A    |
| Diazinon            | ND    | N/A          | 0.063 ug/g | 0.125 ug/g | N/A    |
| Dichlorvos          | ND    | N/A          | 0.063 ug/g | 0.125 ug/g | N/A    |
| Dimethoate          | ND    | N/A          | 0.063 ug/g | 0.125 ug/g | N/A    |
| Dimethomorph        | ND    | N/A          | 0.063 ug/g | 0.125 ug/g | N/A    |
| Ethoprophos         | ND    | N/A          | 0.063 ug/g | 0.125 ug/g | N/A    |
| Etofenprox          | ND    | N/A          | 0.063 ug/g | 0.125 ug/g | N/A    |
| Etoxazole           | ND    | N/A          | 0.063 ug/g | 0.125 ug/g | N/A    |
| Fenhexamid          | ND    | N/A          | 0.063 ug/g | 0.125 ug/g | N/A    |
| Fenoxycarb          | ND    | N/A          | 0.063 ug/g | 0.125 ug/g | N/A    |
| Fenpyroximate       | ND    | N/A          | 0.063 ug/g | 0.125 ug/g | N/A    |
| Fipronil            | ND    | N/A          | 0.063 ug/g | 0.125 ug/g | N/A    |
| Flonicamid          | ND    | N/A          | 0.063 ug/g | 0.125 ug/g | N/A    |
| Fludioxonil         | ND    | N/A          | 0.063 ug/g | 0.125 ug/g | N/A    |
| Hexythiazox         | ND    | N/A          | 0.063 ug/g | 0.125 ug/g | N/A    |
| Imazalil            | ND    | N/A          | 0.063 ug/g | 0.125 ug/g | N/A    |
| Imidacloprid        | ND    | N/A          | 0.063 ug/g | 0.125 ug/g | N/A    |
| Kresoxim Methyl     | ND    | N/A          | 0.063 ug/g | 0.125 ug/g | N/A    |



CAPLC

CHEMICAL RESIDUE - CA HEMP - LC/TQ  
LAB-TM-105 - DETERMINATION OF CHEMICAL RESIDUE BY LC-TQ - CALIFORNIA RESIDUAL PESTICIDE LIST  
CAPLC-HEM-250403-001-01 - WED, APR 9, 2025

| ANALYTE                                                    | VALUE | ACTION LIMIT | LOD        | LOQ        | STATUS |
|------------------------------------------------------------|-------|--------------|------------|------------|--------|
| Malathion                                                  | ND    | N/A          | 0.063 ug/g | 0.125 ug/g | N/A    |
| Metalaxyl                                                  | ND    | N/A          | 0.063 ug/g | 0.125 ug/g | N/A    |
| Methiocarb                                                 | ND    | N/A          | 0.063 ug/g | 0.125 ug/g | N/A    |
| Methomyl                                                   | ND    | N/A          | 0.063 ug/g | 0.125 ug/g | N/A    |
| Mevinphos                                                  | ND    | N/A          | 0.063 ug/g | 0.125 ug/g | N/A    |
| Myclobutanil                                               | ND    | N/A          | 0.063 ug/g | 0.125 ug/g | N/A    |
| Naled                                                      | ND    | N/A          | 0.063 ug/g | 0.125 ug/g | N/A    |
| Oxamyl                                                     | ND    | N/A          | 0.063 ug/g | 0.125 ug/g | N/A    |
| Paclobutrazol                                              | ND    | N/A          | 0.063 ug/g | 0.125 ug/g | N/A    |
| Permethrins (Sum of Cis- and Trans-Permethrin)             | ND    | N/A          | 0.063 ug/g | 0.125 ug/g | N/A    |
| Phosmet                                                    | ND    | N/A          | 0.063 ug/g | 0.125 ug/g | N/A    |
| Piperonyl Butoxide                                         | ND    | N/A          | 0.063 ug/g | 0.125 ug/g | N/A    |
| Prallethrin                                                | ND    | N/A          | 0.063 ug/g | 0.125 ug/g | N/A    |
| Propiconazole                                              | ND    | N/A          | 0.063 ug/g | 0.125 ug/g | N/A    |
| Propoxur                                                   | ND    | N/A          | 0.063 ug/g | 0.125 ug/g | N/A    |
| Pyrethrins (Sum of Cinerin 1, Jasmolin 1, and Pyrethrin 1) | ND    | N/A          | 0.063 ug/g | 0.125 ug/g | N/A    |
| Pyridaben                                                  | ND    | N/A          | 0.063 ug/g | 0.125 ug/g | N/A    |
| Spinetoram                                                 | ND    | N/A          | 0.063 ug/g | 0.125 ug/g | N/A    |
| Spinosad                                                   | ND    | N/A          | 0.063 ug/g | 0.125 ug/g | N/A    |
| Spiromesifen                                               | ND    | N/A          | 0.063 ug/g | 0.125 ug/g | N/A    |
| Spirotetramat                                              | ND    | N/A          | 0.063 ug/g | 0.125 ug/g | N/A    |
| Spiroxamine                                                | ND    | N/A          | 0.063 ug/g | 0.125 ug/g | N/A    |
| Tebuconazole                                               | ND    | N/A          | 0.063 ug/g | 0.125 ug/g | N/A    |
| Thiacloprid                                                | ND    | N/A          | 0.063 ug/g | 0.125 ug/g | N/A    |
| Thiamethoxam                                               | ND    | N/A          | 0.063 ug/g | 0.125 ug/g | N/A    |
| Trifloxystrobin                                            | ND    | N/A          | 0.063 ug/g | 0.125 ug/g | N/A    |



CAPGC

CHEMICAL RESIDUE - CA HEMP - GC/TQ  
LAB-TM-109 - DETERMINATION OF CHEMICAL RESIDUE BY GC-TQ - CALIFORNIA RESIDUAL PESTICIDE LIST  
CAPGC-HEM-250403-001-01 - THU, APR 10, 2025

| ANALYTE                        | VALUE      | ACTION LIMIT | LOD        | LOQ        | STATUS |
|--------------------------------|------------|--------------|------------|------------|--------|
| Captan                         | ND         | N/A          | 0.030 ug/g | 0.102 ug/g | N/A    |
| Chlordane-cis                  | ND         | N/A          | 0.004 ug/g | 0.013 ug/g | N/A    |
| Chlordane-trans                | ND         | N/A          | 0.003 ug/g | 0.011 ug/g | N/A    |
| Chlorfenapyr                   | ND         | N/A          | 0.014 ug/g | 0.048 ug/g | N/A    |
| Methyl Parathion               | ND         | N/A          | 0.008 ug/g | 0.022 ug/g | N/A    |
| Pentachloronitrobenzene        | ND         | N/A          | 0.012 ug/g | 0.041 ug/g | N/A    |
| Chlordane (Sum of -Cis, Trans) | 0.000 ug/g | N/A          | N/A        | N/A        | N/A    |

