

## Oliphant Brewing LLC

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(651) 472-7889

Sample: 2409AIT1236.2511

Strain: N/A  
Batch#: ; Batch Size: g  
Sample Received: 09/25/2024; Report Created: 09/26/2024

## Tropical Tiki Twist #102824

Ingestible, Beverage



**0.003%**  
9.6 mg/container  
4.8 mg/serving  
**Total THC**

**<LOQ**  
<LOQ  
<LOQ  
**Total CBD**

**0.003%**  
9.6 mg/container  
4.8 mg/serving  
**Total Cannabinoids**

## Cannabinoids

Date Tested: 09/26/2024

| Analytes | %     | mg/g  | mg/ml | mg/serving | LOQ   |
|----------|-------|-------|-------|------------|-------|
| CBC      | <LOQ  | <LOQ  | <LOQ  | <LOQ       | 0.001 |
| CBD      | <LOQ  | <LOQ  | <LOQ  | <LOQ       | 0.001 |
| CBDa     | <LOQ  | <LOQ  | <LOQ  | <LOQ       | 0.001 |
| CBDV     | <LOQ  | <LOQ  | <LOQ  | <LOQ       | 0.001 |
| CBG      | <LOQ  | <LOQ  | <LOQ  | <LOQ       | 0.001 |
| CBGa     | <LOQ  | <LOQ  | <LOQ  | <LOQ       | 0.001 |
| CBL      | <LOQ  | <LOQ  | <LOQ  | <LOQ       | 0.001 |
| CBN      | <LOQ  | <LOQ  | <LOQ  | <LOQ       | 0.001 |
| Δ8-THC   | <LOQ  | <LOQ  | <LOQ  | <LOQ       | 0.001 |
| Δ9-THC   | 0.003 | 0.028 | 0.028 | 4.812      | 0.001 |
| THCa     | <LOQ  | <LOQ  | <LOQ  | <LOQ       | 0.001 |
| THCVa    | <LOQ  | <LOQ  | <LOQ  | <LOQ       | 0.001 |

Method: HPLC  
Total THC = THCa \* 0.877 + Δ9-THC  
Total CBD = CBDa \* 0.877 + CBD

Total Cannabinoids represents the sum of all cannabinoids in the table above.  
Results are reported on a dry weight basis: Cannabinoid % / (1.0 - moisture content % / 100) = Dry weight cannabinoids %  
LOQ = Limit of Quantitation

## Summary

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John Schmidt  
Analytical Chemist



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**SAMPLE NAME: Water Soluble (CBN,CBD,CBG,D9) Full Panel Q4+Sept 2024**

Infused, Product Inhalable

**CULTIVATOR / MANUFACTURER****Business Name:****License Number:****Address:****DISTRIBUTOR / TESTED FOR****Business Name:** Superior Molecular**License Number:****Address:****SAMPLE DETAIL****Batch Number:** WS.FPQ4.101124**Sample ID:** 241015P020**Date Collected:** 10/15/2024**Date Received:** 10/15/2024**Batch Size:****Sample Size:** 1.0 units**Unit Mass:****Serving Size:**Scan QR code to verify  
authenticity of results.**CANNABINOID ANALYSIS - SUMMARY**

Density: 1.044 g/mL



**SAFETY ANALYSIS - SUMMARY****Pesticides:**  **PASS****Residual Solvents:**  **PASS****Heavy Metals:**  **PASS****Microbiology (PCR):**  **PASS****Microbiology (Plating):** **DETECTED**

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.

**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: Randi Vuong  
Job Title: Lead Laboratory Technician  
Date: 10/21/2024  
Approved by: Josh Wurzer  
Job Title: Chief Compliance Officer  
Date: 10/21/2024



## Pesticide Analysis

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

### PESTICIDE TEST RESULTS - 10/18/2024 ✔ PASS

| COMPOUND           | LOD/LOQ (µg/g) | ACTION LIMIT (µg/g) | MEASUREMENT UNCERTAINTY (µg/g) | RESULT (µg/g) | RESULT |
|--------------------|----------------|---------------------|--------------------------------|---------------|--------|
| Abamectin          | 0.03 / 0.10    | 0.1                 | N/A                            | ND            | PASS   |
| Azoxystrobin       | 0.02 / 0.07    | 0.1                 | N/A                            | ND            | PASS   |
| Bifenazate         | 0.01 / 0.04    | 0.1                 | N/A                            | ND            | PASS   |
| Bifenthrin         | 0.02 / 0.05    | 3                   | N/A                            | ND            | PASS   |
| Boscalid           | 0.03 / 0.09    | 0.1                 | N/A                            | ND            | PASS   |
| Chlorpyrifos       | 0.02 / 0.06    | ≥ LOD               | N/A                            | ND            | PASS   |
| Cypermethrin       | 0.11 / 0.32    | 1                   | N/A                            | ND            | PASS   |
| Etoxazole          | 0.02 / 0.06    | 0.1                 | N/A                            | ND            | PASS   |
| Hexythiazox        | 0.02 / 0.07    | 0.1                 | N/A                            | ND            | PASS   |
| Imidacloprid       | 0.04 / 0.11    | 5                   | N/A                            | ND            | PASS   |
| Malathion          | 0.03 / 0.09    | 0.5                 | N/A                            | ND            | PASS   |
| Myclobutanil       | 0.03 / 0.09    | 0.1                 | N/A                            | ND            | PASS   |
| Permethrin         | 0.04 / 0.12    | 0.5                 | N/A                            | ND            | PASS   |
| Piperonyl Butoxide | 0.02 / 0.07    | 3                   | N/A                            | ND            | PASS   |
| Propiconazole      | 0.02 / 0.07    | 0.1                 | N/A                            | ND            | PASS   |
| Spiromesifen       | 0.02 / 0.05    | 0.1                 | N/A                            | ND            | PASS   |
| Tebuconazole       | 0.02 / 0.07    | 0.1                 | N/A                            | ND            | PASS   |
| Trifloxystrobin    | 0.03 / 0.08    | 0.1                 | N/A                            | 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

### RESIDUAL SOLVENTS TEST RESULTS - 10/17/2024 ✔ PASS

| COMPOUND                             | LOD/LOQ (µg/g) | ACTION LIMIT (µg/g) | MEASUREMENT UNCERTAINTY (µg/g) | RESULT (µg/g) | RESULT |
|--------------------------------------|----------------|---------------------|--------------------------------|---------------|--------|
| Propane                              | 10 / 20        | 5000                | N/A                            | ND            | PASS   |
| n-Butane                             | 10 / 50        | 5000                | N/A                            | ND            | PASS   |
| n-Pentane                            | 20 / 50        | 5000                | N/A                            | ND            | PASS   |
| n-Hexane                             | 2 / 5          | 290                 | N/A                            | ND            | PASS   |
| n-Heptane                            | 20 / 60        | 5000                | N/A                            | ND            | PASS   |
| Benzene                              | 0.03 / 0.09    | 1                   | N/A                            | ND            | PASS   |
| Toluene                              | 7 / 21         | 890                 | N/A                            | ND            | PASS   |
| Total Xylenes                        | 50 / 160       | 2170                | N/A                            | ND            | PASS   |
| Methanol                             | 50 / 200       | 3000                | N/A                            | ND            | PASS   |
| Ethanol                              | 20 / 50        | 5000                | N/A                            | ND            | PASS   |
| 2-Propanol (Isopropyl Alcohol)       | 10 / 40        | 5000                | N/A                            | ND            | PASS   |
| Acetone                              | 20 / 50        | 5000                | N/A                            | ND            | PASS   |
| Ethyl Ether                          | 20 / 50        | 5000                | N/A                            | ND            | PASS   |
| Ethylene Oxide                       | 0.3 / 0.8      | 1                   | N/A                            | ND            | PASS   |
| Ethyl Acetate                        | 20 / 60        | 5000                | N/A                            | ND            | PASS   |
| Chloroform                           | 0.1 / 0.2      | 1                   | N/A                            | ND            | PASS   |
| Dichloromethane (Methylene Chloride) | 0.3 / 0.9      | 1                   | N/A                            | ND            | PASS   |

Continued on next page



### Residual Solvents Analysis

*Continued*

RESIDUAL SOLVENTS TEST RESULTS - 10/17/2024 *continued* ✔ PASS

| COMPOUND           | LOD/LOQ (µg/g) | ACTION LIMIT (µg/g) | MEASUREMENT UNCERTAINTY (µg/g) | RESULT (µg/g) | RESULT |
|--------------------|----------------|---------------------|--------------------------------|---------------|--------|
| Trichloroethylene  | 0.1 / 0.3      | 1                   | N/A                            | ND            | PASS   |
| 1,2-Dichloroethane | 0.05 / 0.1     | 1                   | N/A                            | ND            | PASS   |
| Acetonitrile       | 2 / 7          | 410                 | N/A                            | ND            | PASS   |

### Heavy Metals Analysis

HEAVY METALS TEST RESULTS - 10/18/2024 ✔ PASS

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

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

| COMPOUND | LOD/LOQ (µg/g) | ACTION LIMIT (µg/g) | MEASUREMENT UNCERTAINTY (µg/g) | RESULT (µg/g) | RESULT |
|----------|----------------|---------------------|--------------------------------|---------------|--------|
| Arsenic  | 0.02 / 0.1     | 0.2                 | N/A                            | ND            | PASS   |
| Cadmium  | 0.02 / 0.05    | 0.2                 | N/A                            | ND            | PASS   |
| Lead     | 0.04 / 0.1     | 0.5                 | N/A                            | ND            | PASS   |
| Mercury  | 0.002 / 0.01   | 0.1                 | N/A                            | ND            | PASS   |

### Microbiology Analysis

PCR AND PLATING

MICROBIOLOGY TEST RESULTS (PCR) - 10/19/2024 ✔ PASS

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

**Method:** QSP 1221 - Analysis of Microbiological Contaminants

| COMPOUND                                      | ACTION LIMIT (cfu/g) | RESULT (cfu/g) | RESULT |
|---|----------------------|----------------|--------|
| Bile-Tolerant Gram-Negative Bacteria          |                      | ND             |        |
| Salmonella spp.                               | Not Detected in 1g   | ND             | PASS   |
| Shiga toxin-producing <i>Escherichia coli</i> | Not Detected in 1g   | ND             | PASS   |
| <i>Staphylococcus aureus</i>                  |                      | ND             |        |

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

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

MICROBIOLOGY TEST RESULTS (PLATING) - 10/19/2024 **DETECTED**

| COMPOUND               | RESULT (cfu/g) |
|------------------------|----------------|
| Total Aerobic Bacteria | 100.0          |
| Total Yeast and Mold   | ND             |