

## SAMPLE DETAILS

## SAMPLE NAME: Tropicana Cookies (Badder)

Concentrate, Product Inhalable

## CULTIVATOR / MANUFACTURER

Business Name:

License Number:

Address:

## DISTRIBUTOR / TESTED FOR

Business Name: North Star Canna

License Number:

Address:

## SAMPLE DETAIL

Batch Number:

Sample ID: 250428R007

Date Collected: 04/28/2025

Date Received: 04/28/2025

Batch Size:

Sample Size:

Unit Mass:

Serving Size:

Scan QR code to verify  
authenticity of results.

## CANNABINOID ANALYSIS - SUMMARY

Total THC: **88.194%**Total CBD: **0.288%**Sum of Cannabinoids: **98.59%**Total Cannabinoids: **98.59%**

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

## SAFETY ANALYSIS - SUMMARY

Pesticides: **✓PASS**Mycotoxins: **✓PASS**Residual Solvents: **✓PASS**Heavy Metals: **✓PASS**Microbiology (PCR): **✓PASS**Microbiology (Plating): **ND**Foreign Material: **✓PASS**

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),  $\mu\text{g/g}$  = ppm,  $\mu\text{g/kg}$  = ppb, too numerous to count >250 cfu/plate (TNTC), colony-forming unit (cfu)



LQC verified by: Miguel Flores  
Job Title: Laboratory Assistant  
Date: 05/03/2025



Approved by: Josh Wurzer  
Job Title: Chief Compliance Officer  
Date: 05/03/2025



 **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: 88.194%**

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

**TOTAL CBD: 0.288%**

Total CBD (CBD+0.877\*CBDA)

**TOTAL CANNABINOIDS: 98.59%**

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

**TOTAL CBG: 7.42%**

Total CBG (CBG+0.877\*CBGa)

**TOTAL THCV: 0.88%**

Total THCV (THCV+0.877\*THCVa)

**TOTAL CBC: 1.34%**

Total CBC (CBC+0.877\*CBCa)

**TOTAL CBDV: ND**

Total CBDV (CBDV+0.877\*CBDVa)

**CANNABINOID TEST RESULTS - 05/02/2025**

| COMPOUND            | LOD/LOQ (mg/g) | MEASUREMENT UNCERTAINTY (mg/g) | RESULT (mg/g) | RESULT (%) |
|---------------------|----------------|--------------------------------|---------------|------------|
| $\Delta^9$ -THC     | 0.06 / 0.26    | ±23.636                        | 881.94        | 88.194     |
| CBG                 | 0.06 / 0.19    | ±2.278                         | 74.20         | 7.420      |
| CBC                 | 0.2 / 0.5      | ±0.31                          | 13.4          | 1.34       |
| THCV                | 0.1 / 0.2      | ±0.34                          | 8.8           | 0.88       |
| CBN                 | 0.1 / 0.3      | ±0.24                          | 4.7           | 0.47       |
| CBD                 | 0.07 / 0.29    | ±0.104                         | 2.88          | 0.288      |
| $\Delta^8$ -THC     | 0.1 / 0.4      | N/A                            | ND            | ND         |
| THCa                | 0.05 / 0.14    | N/A                            | ND            | ND         |
| THCVa               | 0.07 / 0.20    | N/A                            | ND            | ND         |
| CBDa                | 0.02 / 0.19    | N/A                            | ND            | ND         |
| CBDV                | 0.04 / 0.15    | 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         |
| SUM OF CANNABINOIDS |                |                                | 985.9 mg/g    | 98.59%     |

 **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 - 04/30/2025**  **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   |
| Acephate            | 0.02 / 0.07    | 0.1                 | N/A                            | ND            | PASS   |
| Acequinocyl         | 0.02 / 0.07    | 0.1                 | N/A                            | ND            | PASS   |
| Acetamiprid         | 0.02 / 0.05    | 0.1                 | N/A                            | ND            | PASS   |
| Aldicarb            | 0.03 / 0.08    | ≥ LOD               | N/A                            | ND            | PASS   |
| Azoxystrobin        | 0.02 / 0.07    | 0.1                 | N/A                            | ND            | PASS   |
| Bifenazate          | 0.01 / 0.04    | 0.1                 | N/A                            | <LOQ          | PASS   |
| Bifenthrin          | 0.02 / 0.05    | 3                   | ±0.074                         | 1.82          | PASS   |
| Boscalid            | 0.03 / 0.09    | 0.1                 | N/A                            | ND            | PASS   |
| Captan              | 0.19 / 0.57    | 0.7                 | N/A                            | ND            | PASS   |
| Carbaryl            | 0.02 / 0.06    | 0.5                 | N/A                            | ND            | PASS   |
| Carbofuran          | 0.02 / 0.05    | ≥ LOD               | N/A                            | ND            | PASS   |
| Chlorantraniliprole | 0.04 / 0.12    | 10                  | N/A                            | ND            | PASS   |

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**Pesticide Analysis** *Continued*

PESTICIDE TEST RESULTS - 04/30/2025 *continued* ✔ PASS

| COMPOUND                                   | LOD/LOQ<br>(µg/g) | ACTION LIMIT<br>(µg/g) | MEASUREMENT<br>UNCERTAINTY (µg/g) | RESULT<br>(µg/g) | RESULT |
|--------------------------------------------|-------------------|------------------------|-----------------------------------|------------------|--------|
| Chlordane*                                 | 0.03 / 0.08       | ≥ LOD                  | N/A                               | ND               | PASS   |
| Chlorfenapyr*                              | 0.03 / 0.10       | ≥ LOD                  | N/A                               | ND               | PASS   |
| Chlorpyrifos                               | 0.02 / 0.06       | ≥ LOD                  | N/A                               | ND               | PASS   |
| Clofentezine                               | 0.03 / 0.09       | 0.1                    | N/A                               | ND               | PASS   |
| Coumaphos                                  | 0.02 / 0.07       | ≥ LOD                  | N/A                               | ND               | PASS   |
| Cyfluthrin                                 | 0.12 / 0.38       | 2                      | N/A                               | ND               | PASS   |
| Cypermethrin                               | 0.11 / 0.32       | 1                      | N/A                               | ND               | PASS   |
| Daminozide                                 | 0.02 / 0.07       | ≥ LOD                  | N/A                               | ND               | PASS   |
| Diazinon                                   | 0.02 / 0.05       | 0.1                    | N/A                               | ND               | PASS   |
| Dichlorvos (DDVP)                          | 0.03 / 0.09       | ≥ LOD                  | N/A                               | ND               | PASS   |
| Dimethoate                                 | 0.03 / 0.08       | ≥ LOD                  | N/A                               | ND               | PASS   |
| Dimethomorph                               | 0.03 / 0.09       | 2                      | N/A                               | ND               | PASS   |
| Ethoprophos                                | 0.03 / 0.10       | ≥ LOD                  | N/A                               | ND               | PASS   |
| Etofenprox                                 | 0.02 / 0.06       | ≥ LOD                  | N/A                               | ND               | PASS   |
| Etoxazole                                  | 0.02 / 0.06       | 0.1                    | N/A                               | ND               | PASS   |
| Fenhexamid                                 | 0.03 / 0.09       | 0.1                    | N/A                               | ND               | PASS   |
| Fenoxycarb                                 | 0.03 / 0.08       | ≥ LOD                  | N/A                               | ND               | PASS   |
| Fenpyroximate                              | 0.02 / 0.06       | 0.1                    | N/A                               | ND               | PASS   |
| Fipronil                                   | 0.03 / 0.08       | ≥ LOD                  | N/A                               | ND               | PASS   |
| Flonicamid                                 | 0.03 / 0.10       | 0.1                    | N/A                               | ND               | PASS   |
| Fludioxonil                                | 0.03 / 0.10       | 0.1                    | N/A                               | ND               | PASS   |
| Hexythiazox                                | 0.02 / 0.07       | 0.1                    | N/A                               | ND               | PASS   |
| Imazalil                                   | 0.02 / 0.06       | ≥ LOD                  | N/A                               | ND               | PASS   |
| Imidacloprid                               | 0.04 / 0.11       | 5                      | N/A                               | ND               | PASS   |
| Kresoxim-methyl                            | 0.02 / 0.07       | 0.1                    | N/A                               | ND               | PASS   |
| Malathion                                  | 0.03 / 0.09       | 0.5                    | N/A                               | ND               | PASS   |
| Metalaxyl                                  | 0.02 / 0.07       | 2                      | N/A                               | ND               | PASS   |
| Methiocarb                                 | 0.02 / 0.07       | ≥ LOD                  | N/A                               | ND               | PASS   |
| Methomyl                                   | 0.03 / 0.10       | 1                      | N/A                               | ND               | PASS   |
| Mevinphos                                  | 0.03 / 0.09       | ≥ LOD                  | N/A                               | ND               | PASS   |
| Myclobutanil                               | 0.03 / 0.09       | 0.1                    | N/A                               | ND               | PASS   |
| Naled                                      | 0.02 / 0.07       | 0.1                    | N/A                               | ND               | PASS   |
| Oxamyl                                     | 0.04 / 0.11       | 0.5                    | N/A                               | ND               | PASS   |
| Paclobutrazol                              | 0.02 / 0.05       | ≥ LOD                  | N/A                               | ND               | PASS   |
| Parathion-methyl                           | 0.03 / 0.10       | ≥ LOD                  | N/A                               | ND               | PASS   |
| Pentachloronitro-<br>benzene (Quintozene)* | 0.03 / 0.09       | 0.1                    | N/A                               | ND               | PASS   |
| Permethrin                                 | 0.04 / 0.12       | 0.5                    | N/A                               | <LOQ             | PASS   |
| Phosmet                                    | 0.03 / 0.10       | 0.1                    | N/A                               | ND               | PASS   |
| Piperonyl Butoxide                         | 0.02 / 0.07       | 3                      | N/A                               | <LOQ             | PASS   |
| Prallethrin                                | 0.03 / 0.08       | 0.1                    | N/A                               | ND               | PASS   |
| Propiconazole                              | 0.02 / 0.07       | 0.1                    | N/A                               | ND               | PASS   |

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## Pesticide Analysis *Continued*

PESTICIDE TEST RESULTS - 04/30/2025 *continued* ✓ PASS

| COMPOUND        | LOD/LOQ (µg/g) | ACTION LIMIT (µg/g) | MEASUREMENT UNCERTAINTY (µg/g) | RESULT (µg/g) | RESULT |
|-----------------|----------------|---------------------|--------------------------------|---------------|--------|
| Propoxur        | 0.03 / 0.09    | ≥ LOD               | N/A                            | ND            | PASS   |
| Pyrethrins      | 0.04 / 0.12    | 0.5                 | N/A                            | ND            | PASS   |
| Pyridaben       | 0.02 / 0.07    | 0.1                 | N/A                            | ND            | PASS   |
| Spinetoram      | 0.02 / 0.07    | 0.1                 | N/A                            | ND            | PASS   |
| Spinosad        | 0.02 / 0.07    | 0.1                 | N/A                            | ND            | PASS   |
| Spiromesifen    | 0.02 / 0.05    | 0.1                 | N/A                            | ND            | PASS   |
| Spirotetramat   | 0.02 / 0.06    | 0.1                 | N/A                            | ND            | PASS   |
| Spiroxamine     | 0.03 / 0.08    | ≥ LOD               | N/A                            | ND            | PASS   |
| Tebuconazole    | 0.02 / 0.07    | 0.1                 | N/A                            | ND            | PASS   |
| Thiacloprid     | 0.03 / 0.10    | ≥ LOD               | N/A                            | ND            | PASS   |
| Thiamethoxam    | 0.03 / 0.10    | 5                   | N/A                            | ND            | PASS   |
| Trifloxystrobin | 0.03 / 0.08    | 0.1                 | N/A                            | ND            | PASS   |



## Mycotoxin Analysis

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

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

MYCOTOXIN TEST RESULTS - 04/30/2025 ✓ PASS

| COMPOUND        | LOD/LOQ (µg/kg) | ACTION LIMIT (µg/kg) | MEASUREMENT UNCERTAINTY (µg/kg) | RESULT (µg/kg) | RESULT |
|-----------------|-----------------|----------------------|---------------------------------|----------------|--------|
| Aflatoxin B1    | 2.0 / 6.0       |                      | N/A                             | ND             |        |
| Aflatoxin B2    | 1.8 / 5.6       |                      | N/A                             | ND             |        |
| Aflatoxin G1    | 1.0 / 3.1       |                      | N/A                             | ND             |        |
| Aflatoxin G2    | 1.2 / 3.5       |                      | N/A                             | ND             |        |
| Ochratoxin A    | 6.3 / 19.2      | 20                   | N/A                             | ND             | PASS   |
| Total Aflatoxin |                 | 20                   |                                 | ND             | PASS   |



## Residual Solvents Analysis

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

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

RESIDUAL SOLVENTS TEST RESULTS - 05/01/2025 ✓ 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                            | <LOQ          | 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   |

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 **Residual Solvents Analysis**  
*Continued*

RESIDUAL SOLVENTS TEST RESULTS - 05/01/2025 *continued*  **PASS**

| COMPOUND                             | LOD/LOQ (µg/g) | ACTION LIMIT (µg/g) | MEASUREMENT UNCERTAINTY (µg/g) | RESULT (µg/g) | RESULT |
|--------------------------------------|----------------|---------------------|--------------------------------|---------------|--------|
| 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   |
| 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 metal analysis utilizing inductively coupled plasma-mass spectrometry (ICP-MS).

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

HEAVY METALS TEST RESULTS - 05/03/2025  **PASS**

| 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

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

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

MICROBIOLOGY TEST RESULTS (PCR) - 05/03/2025  **PASS**

| 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 Escherichia coli | Not Detected in 1g   | ND             | PASS   |
| Staphylococcus aureus                  |                      | ND             |        |

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

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

MICROBIOLOGY TEST RESULTS (PLATING) - 05/03/2025 **ND**

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



### Foreign Material Analysis

Visual analysis includes, but is not limited to, sand, soil, cinders, dirt, mold, hair, insect fragments, and mammalian excreta.

**Method:** QSP 1226 - Analysis of Foreign Material in Cannabis and Cannabis Products

FOREIGN MATERIAL TEST RESULTS - 04/29/2025  **PASS**

| COMPOUND                                                  | ACTION LIMIT    | RESULT (per 3 Grams) | RESULT |
|-----------------------------------------------------------|-----------------|----------------------|--------|
| Hair Count                                                | > 1 per 3 grams | 0.0                  | PASS   |
| Insect Fragment Count                                     | > 1 per 3 grams | 0.0                  | PASS   |
| Mammalian Excreta Count                                   | > 1 per 3 grams | 0.0                  | PASS   |
| Total Sample Area Covered by an Imbedded Foreign Material | >25%            | None                 | PASS   |
| Total Sample Area Covered by Mold                         | >25%            | None                 | PASS   |
| Total Sample Area Covered by Sand, Soil, Cinders, or Dirt | >25%            | None                 | PASS   |