

# Certificate of Analysis

For R&D Use Only - Not a California Compliance Certificate.

## Strawberry Diesel

### Client: Social Hemp

Sample Name: Strawberry Diesel  
Batch Number: N/A  
Client Address: 2706 Harbor Blvd Suite 210  
Costa Mesa, CA, 92626

Matrix: Plant  
Unit Mass: 1 g per unit  
License Number: 29909

Sample ID: 74051015-3  
Date Received: 10/15/2025



|                    |         |
|--------------------|---------|
| Total CBD          | ND      |
| Delta 9-THC        | 0.21 %  |
| THCA               | 27.80 % |
| Total Cannabinoids | 28.01 % |

### Analysis Summary

|                      |        |
|----------------------|--------|
| Residual Pesticides  | Pass   |
| Mycotoxins           | Pass   |
| Heavy Metals         | Pass   |
| Microbial Impurities | Pass   |
| Foreign Material     | Pass   |
| Moisture Content     | 9.54 % |
| Water Activity       | Pass   |
| Total Terpenes       | 2.27 % |

### Cannabinoid Analysis

Complete

| Analyte            | LOD (%) | LOQ (%) | Mass (%) | Mass (mg/g) |
|--------------------|---------|---------|----------|-------------|
| CBDV               | 0.0035  | 0.011   | ND       | ND          |
| CBD                | 0.0030  | 0.0090  | ND       | ND          |
| CBG                | 0.0038  | 0.011   | ND       | ND          |
| CBDA               | 0.0017  | 0.0052  | ND       | ND          |
| CBN                | 0.00080 | 0.0024  | ND       | ND          |
| Delta 9-THC        | 0.0022  | 0.0067  | 0.210    | 2.10        |
| Delta 8-THC        | 0.0020  | 0.0059  | ND       | ND          |
| CBC                | 0.00070 | 0.0021  | ND       | ND          |
| THCA               | 0.0024  | 0.0073  | 27.799   | 277.99      |
| Total CBD          |         |         | ND       | ND          |
| Total THC          |         |         | 24.59    | 245.90      |
| Total Cannabinoids |         |         | 28.01    | 280.09      |

Date Tested: 10/15/2025

Total THC = THCa \* 0.877 + d9-THC + d8-THC; Total CBD = CBDa \* 0.877 + CBD

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References: limit of detection (LOD), limit of quantitation (LOQ), not detected (ND), not tested (NT)

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## Pesticide Analysis

Pass

| Analyte                 | LOQ (ppm) | Limit (ppm) | Mass (ppm) | Status |
|-------------------------|-----------|-------------|------------|--------|
| Abamectin               | 0.050     | 0.10        | ND         | Pass   |
| Acephate                | 0.050     | 0.10        | ND         | Pass   |
| Acequinocyl             | 0.050     | 0.10        | ND         | Pass   |
| Acetamiprid             | 0.050     | 0.10        | ND         | Pass   |
| Aldicarb                | 0.050     | 0.00        | ND         | Pass   |
| Azoxystrobin            | 0.050     | 0.10        | ND         | Pass   |
| Bifenazate              | 0.050     | 0.10        | ND         | Pass   |
| Bifenthrin              | 0.050     | 3.00        | ND         | Pass   |
| Boscalid                | 0.050     | 0.10        | ND         | Pass   |
| Captan                  | 0.050     | 0.70        | ND         | Pass   |
| Carbaryl                | 0.050     | 0.50        | ND         | Pass   |
| Carbofuran              | 0.050     | 0.00        | ND         | Pass   |
| Chlorantraniliprole     | 0.050     | 10.00       | ND         | Pass   |
| Chlordane               | 0.050     | 0.00        | ND         | Pass   |
| Chlorfenapyr            | 0.050     | 0.00        | ND         | Pass   |
| Chlorpyrifos            | 0.050     | 0.00        | ND         | Pass   |
| Clofentezine            | 0.050     | 0.10        | ND         | Pass   |
| Coumaphos               | 0.050     | 0.00        | ND         | Pass   |
| Cyfluthrin              | 0.050     | 2.00        | ND         | Pass   |
| Cypermethrin            | 0.050     | 1.00        | ND         | Pass   |
| Daminozide              | 0.050     | 0.00        | ND         | Pass   |
| DDVP                    | 0.050     | 0.00        | ND         | Pass   |
| Diazinon                | 0.050     | 0.10        | ND         | Pass   |
| Dimethoate              | 0.050     | 0.00        | ND         | Pass   |
| Dimethomorph            | 0.050     | 2.00        | ND         | Pass   |
| Ethoprophos             | 0.050     | 0.00        | ND         | Pass   |
| Etofenprox              | 0.050     | 0.00        | ND         | Pass   |
| Etoxazole               | 0.050     | 0.10        | ND         | Pass   |
| Fenhexamid              | 0.050     | 0.10        | ND         | Pass   |
| Fenoxycarb              | 0.050     | 0.00        | ND         | Pass   |
| Fenpyroximate           | 0.050     | 0.10        | ND         | Pass   |
| Fipronil                | 0.050     | 0.00        | ND         | Pass   |
| Flonicamid              | 0.050     | 0.10        | ND         | Pass   |
| Fludioxonil             | 0.050     | 0.10        | ND         | Pass   |
| Hexythiazox             | 0.050     | 0.10        | ND         | Pass   |
| Imazalil                | 0.050     | 0.00        | ND         | Pass   |
| Imidacloprid            | 0.050     | 5.00        | ND         | Pass   |
| Kresoxim Methyl         | 0.050     | 0.10        | ND         | Pass   |
| Malathion               | 0.050     | 0.50        | ND         | Pass   |
| Metalaxyl               | 0.050     | 2.00        | ND         | Pass   |
| Methiocarb              | 0.050     | 0.00        | ND         | Pass   |
| Methomyl                | 0.050     | 1.00        | ND         | Pass   |
| Methyl Parathion        | 0.050     | 0.00        | ND         | Pass   |
| Mevinphos               | 0.050     | 0.00        | ND         | Pass   |
| Myclobutanil            | 0.050     | 0.10        | ND         | Pass   |
| Naled                   | 0.050     | 0.10        | ND         | Pass   |
| Oxamyl                  | 0.050     | 0.50        | ND         | Pass   |
| Paclobutrazol           | 0.050     | 0.00        | ND         | Pass   |
| Pentachloronitrobenzene | 0.050     | 0.10        | ND         | Pass   |
| Permethrin              | 0.050     | 0.50        | ND         | Pass   |
| Phosmet                 | 0.050     | 0.10        | ND         | Pass   |
| Piperonyl Butoxide      | 0.050     | 3.00        | ND         | Pass   |
| Prallethrin             | 0.050     | 0.10        | ND         | Pass   |
| Propiconazole           | 0.050     | 0.10        | ND         | Pass   |

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## Pesticide Analysis

Pass

| Analyte         | LOQ (ppm) | Limit (ppm) | Mass (ppm) | Status |
|-----------------|-----------|-------------|------------|--------|
| Propoxur        | 0.050     | 0.00        | ND         | Pass   |
| Pyrethrins      | 0.050     | 0.50        | ND         | Pass   |
| Pyridaben       | 0.050     | 0.10        | ND         | Pass   |
| Spinetoram      | 0.050     | 0.10        | ND         | Pass   |
| Spinosad        | 0.050     | 0.10        | ND         | Pass   |
| Spiromesifen    | 0.050     | 0.10        | ND         | Pass   |
| Spirotetramat   | 0.050     | 0.10        | ND         | Pass   |
| Spiroxamine     | 0.050     | 0.00        | ND         | Pass   |
| Tebuconazole    | 0.050     | 0.10        | ND         | Pass   |
| Thiacloprid     | 0.050     | 0.00        | ND         | Pass   |
| Thiamethoxam    | 0.050     | 5.00        | ND         | Pass   |
| Trifloxystrobin | 0.050     | 0.10        | ND         | Pass   |

Date Tested: 10/15/2025

## Mycotoxins

Pass

| Analyte      | LOQ (µg/g) | Limit (µg/g) | Mass (µg/g) | Status |
|--------------|------------|--------------|-------------|--------|
| Aflatoxin B1 | 0.02       | 0.02         | ND          | Pass   |
| Aflatoxin B2 | 0.02       | 0.02         | ND          | Pass   |
| Aflatoxin G1 | 0.02       | 0.02         | ND          | Pass   |
| Aflatoxin G2 | 0.02       | 0.02         | ND          | Pass   |
| Ochratoxin A | 0.02       | 0.02         | ND          | Pass   |

Date Tested: 10/15/2025

## Heavy Metals Analysis

Pass

| Analyte | LOQ (µg/g) | Limit (µg/g) | Mass (µg/g) | Status |
|---------|------------|--------------|-------------|--------|
| Arsenic | 0.050      | 0.200        | ND          | Pass   |
| Cadmium | 0.050      | 0.200        | ND          | Pass   |
| Lead    | 0.125      | 0.500        | 0.180       | Pass   |
| Mercury | 0.025      | 0.100        | ND          | Pass   |

Date Tested: 10/16/2025

## Microbial Analysis

Pass

| Test                         | Limit (CFU/g) | Result (CFU/g) | Status |
|------------------------------|---------------|----------------|--------|
| <i>Aspergillus flavus</i>    | <1            | Absent / 1g    | Pass   |
| <i>Aspergillus fumigatus</i> | <1            | Absent / 1g    | Pass   |
| <i>Aspergillus niger</i>     | <1            | Absent / 1g    | Pass   |
| <i>Aspergillus terreus</i>   | <1            | Absent / 1g    | Pass   |
| Total <i>E. coli</i>         | <1            | Absent / 1g    | Pass   |
| <i>Salmonella</i>            | <1            | Absent / 1g    | Pass   |

Date Tested: 10/16/2025

CFU = Colony Forming Units

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## Moisture Content

Complete

| Test             | Result (%) |
|------------------|------------|
| Moisture Content | 9.54       |

Date Tested: 10/15/2025

## Water Activity

Pass

| Test           | Limit (Aw) | Result (Aw) | Status |
|----------------|------------|-------------|--------|
| Water Activity | 0.65       | 0.46        | Pass   |

Date Tested: 10/16/2025

## Terpenoid Analysis

Complete

| Analyte                 | LOQ (%) | Mass (%)    | Mass (mg/g)  |
|-------------------------|---------|-------------|--------------|
| Camphene                | 0.0085  | 0.0480      | 0.480        |
| 3-Carene                | 0.0085  | ND          | ND           |
| β-Caryophyllene         | 0.0085  | 0.4584      | 4.584        |
| p-Cymene                | 0.0085  | 0.1456      | 1.456        |
| Eucalyptol              | 0.0085  | ND          | ND           |
| Fenchol                 | 0.0085  | 0.1332      | 1.332        |
| α-Humulene              | 0.0085  | 0.2396      | 2.396        |
| δ-Limonene              | 0.0085  | 0.7324      | 7.324        |
| Linalool                | 0.0085  | 0.1576      | 1.576        |
| β-Myrcene               | 0.0085  | 0.1754      | 1.754        |
| Nerolidol               | 0.0085  | 0.1457      | 1.457        |
| α-Pinene                | 0.0085  | 0.0357      | 0.357        |
| Terpinolene             | 0.0085  | ND          | ND           |
| <b>Total Terpenoids</b> |         | <b>2.27</b> | <b>22.72</b> |

Date Tested: 10/16/2025

### Method References:

Hemp Profile (SOP HPLC Hemp by UV-Detection)

Multi-Residue Pesticide Analysis - (AOAC\_200701)

*Official Methods of Analysis, AOAC Official Method 2007.01, Pesticide Residues in Foods by Acetonitrile Extraction and Partitioning with Magnesium Sulfate, AOAC INTERNATIONAL (modified).*

*CEN Standard Method EN 15662: Food of plant origin - Determination of pesticide residues using GC-MS and/or LC-MS/MS following acetonitrile extraction/partitioning and clean-up by dispersive SPE - QuEChERS method.*

Mycotoxins Analysis - 5 compounds (FDA\_MYC)

*Determination of Mycotoxins in Corn, Peanut Butter and Wheat Flour Using Stable Isotope Dilution Assay (SIDA) and Liquid Chromatography-Tandem Mass Spectrometry (LC-MS/MS) (modified).*

Heavy Metals Analysis - 4 elements (EPA\_200.8)

*Methods for the Determination of Metals in Environmental Standards - Supplement 1, EPA-600/R-94-111, May 1994.*

*"Determination of Metals and Trace Elements in Water and Wastes by Inductively Coupled Plasma-Mass Spectrometry", USEPA Method 200.8, Revision 5.1, EMMC Version (modified).*

Microbial Analysis - (AOAC\_2014\_991\_FDA\_BAM\_18)

*Official Methods of Analysis, AOAC Official Method 2014.01 Salmonella in Selected Foods, AOAC Official Method 991.14 Coliform and Escherichia coli Counts in Foods; AOAC INTERNATIONAL (modified), U.S. Food and Drug Administration, Bacteriological Analytical Manual, Chapter 18, Yeasts, Molds and Mycotoxins (modified).*

Moisture Content Analysis - (AOAC\_934\_06)

*Official Methods of Analysis, Method 934.06.AOAC INTERNATIONAL, Moisture in Dried Fruits (modified).*

Water Activity Analysis - (AOAC\_978\_18)

*Official Methods of Analysis, Method 978.18.AOAC INTERNATIONAL, Water Activity of Canned Vegetables (modified).*