

# Certificate of Analysis

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

## Wedding Cake

Client:

Sample Name: Wedding Cake

Batch Number: N/A

Matrix: Plant

Unit Mass: 1 g per unit

Sample ID: 64160202-11

Date Received: 2/2/2026



|                           |                |
|---------------------------|----------------|
| <b>Total CBD</b>          | <b>ND</b>      |
| <b>Delta 9-THC</b>        | <b>0.24 %</b>  |
| <b>THCA</b>               | <b>30.65 %</b> |
| <b>Total Cannabinoids</b> | <b>32.50 %</b> |

### Analysis Summary

|                                          |         |
|------------------------------------------|---------|
| Residual Pesticides                      | Pass    |
| Residual Solvents & Processing Chemicals | Pass    |
| Mycotoxins                               | Pass    |
| Heavy Metals                             | Pass    |
| Microbial Impurities                     | Pass    |
| Foreign Material                         | Pass    |
| Total Terpenes                           | 2.97 %  |
| Moisture Content                         | 10.67 % |

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

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Client:

## Cannabinoid Analysis

Complete

| Analyte                   | LOD (%)       | LOQ (%)       | Mass (%)      | Mass (mg/g)   |
|---------------------------|---------------|---------------|---------------|---------------|
| CBDV                      | 0.0035        | 0.011         | ND            | ND            |
| THCV                      | 0.0036        | 0.012         | ND            | ND            |
| CBD                       | 0.0030        | 0.0090        | ND            | ND            |
| CBG                       | 0.0038        | 0.011         | ND            | ND            |
| CBDA                      | 0.0017        | 0.0052        | ND            | ND            |
| <b>CBGA</b>               | <b>0.0030</b> | <b>0.010</b>  | <b>1.599</b>  | <b>15.99</b>  |
| CBN                       | 0.00080       | 0.0024        | ND            | ND            |
| <b>Delta 9-THC</b>        | <b>0.0022</b> | <b>0.0067</b> | <b>0.244</b>  | <b>2.44</b>   |
| Delta 8-THC               | 0.0020        | 0.0059        | ND            | ND            |
| CBD Diacetate             | 0.00040       | 0.0012        | ND            | ND            |
| 9(S)-HHC                  | 0.0036        | 0.012         | ND            | ND            |
| 9(R)-HHC                  | 0.0073        | 0.024         | ND            | ND            |
| 9(S)-Δ6a,10a-THC          | 0.0030        | 0.010         | ND            | ND            |
| 9(R)-Δ6a,10a-THC          | 0.0036        | 0.012         | ND            | ND            |
| (6aR,9S)-Δ10-THC          | 0.0073        | 0.024         | ND            | ND            |
| (6aR,9R)-Δ10-THC          | 0.014         | 0.047         | ND            | ND            |
| CBC                       | 0.00070       | 0.0021        | ND            | ND            |
| D9-THCH                   | 0.0036        | 0.012         | ND            | ND            |
| 9(S)-HHCH                 | 0.00030       | 0.0010        | ND            | ND            |
| 9(R)-HHCH                 | 0.00036       | 0.0012        | ND            | ND            |
| Delta 9-THCP              | 0.00030       | 0.0010        | ND            | ND            |
| Delta 8-THCP              | 0.00064       | 0.0021        | ND            | ND            |
| 9(S)-HHCP                 | 0.0076        | 0.025         | ND            | ND            |
| 9(R)-HHCP                 | 0.0036        | 0.012         | ND            | ND            |
| THC-O-Acetate             | 0.0014        | 0.0046        | ND            | ND            |
| 9S-HHC-O-Acetate          | 0.0030        | 0.010         | ND            | ND            |
| 9R-HHC-O-Acetate          | 0.0036        | 0.012         | ND            | ND            |
| <b>THCA</b>               | <b>0.0024</b> | <b>0.0073</b> | <b>30.654</b> | <b>306.54</b> |
| 9(S)-HHCPO                | 0.0073        | 0.024         | ND            | ND            |
| 9(R)-HHCPO                | 0.013         | 0.044         | ND            | ND            |
| Total CBD                 |               |               | ND            | ND            |
| <b>Total THC</b>          |               |               | <b>27.127</b> | <b>271.27</b> |
| <b>Total Cannabinoids</b> |               |               | <b>32.497</b> | <b>324.97</b> |

Date Tested: 2/2/2026

Total THC = THCa \* 0.877 + d9-THC + d8-THC

Total CBD = CBDa \* 0.877 + CBD

THC-O-Acetate = d9-THC-O-Ac + d8-THC-O-Ac

## 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   |

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## Pesticide Analysis

Pass

| Analyte                 | LOQ (ppm) | Limit (ppm) | Mass (ppm) | Status |
|-------------------------|-----------|-------------|------------|--------|
| 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   |
| Chlormequat Chloride    | 0.050     | 0.20        | 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   |
| Propoxur                | 0.050     | 0.00        | ND         | Pass   |
| Pyrethrins              | 0.050     | 0.50        | 0.380      | 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   |

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## Pesticide Analysis

Pass

| Analyte         | LOQ (ppm) | Limit (ppm) | Mass (ppm) | Status |
|-----------------|-----------|-------------|------------|--------|
| Thiamethoxam    | 0.050     | 5.00        | ND         | Pass   |
| Trifloxystrobin | 0.050     | 0.10        | ND         | Pass   |

Date Tested: 2/6/2026

## Residual Solvents Analysis

Pass

| Analyte            | LOQ (µg/g) | Limit (µg/g) | Mass (µg/g) | Status |
|--------------------|------------|--------------|-------------|--------|
| Acetone            | 100        | 5000         | ND          | Pass   |
| Acetonitrile       | 100        | 410          | ND          | Pass   |
| Benzene            | 1          | 1            | ND          | Pass   |
| Butane             | 100        | 5000         | ND          | Pass   |
| Chloroform         | 1          | 1            | ND          | Pass   |
| 1,2-Dichloroethane | 1          | 1            | ND          | Pass   |
| Ethanol            | 100        | 5000         | ND          | Pass   |
| Ethyl Acetate      | 100        | 5000         | ND          | Pass   |
| Ethyl Ether        | 100        | 5000         | ND          | Pass   |
| Ethylene Oxide     | 1          | 1            | ND          | Pass   |
| Heptane            | 100        | 5000         | ND          | Pass   |
| n-Hexane           | 100        | 290          | ND          | Pass   |
| Isopropanol        | 100        | 5000         | ND          | Pass   |
| Methanol           | 100        | 3000         | ND          | Pass   |
| Methylene Chloride | 1          | 1            | ND          | Pass   |
| Pentane            | 100        | 5000         | ND          | Pass   |
| Propane            | 100        | 5000         | ND          | Pass   |
| Toluene            | 100        | 890          | ND          | Pass   |
| Trichloroethylene  | 1          | 1            | ND          | Pass   |
| Xylenes            | 100        | 2170         | ND          | Pass   |

Date Tested: 2/10/2026

## 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: 2/6/2026

## 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        | 0.163       | Pass   |
| Mercury | 0.025      | 0.100        | ND          | Pass   |

Date Tested: 2/12/2026

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## Microbial Analysis

Pass

| Test                                          | Result (CFU/g) | Status |
|-----------------------------------------------|----------------|--------|
| <i>Aspergillus flavus</i>                     | Absent / 1g    | Pass   |
| <i>Aspergillus fumigatus</i>                  | Absent / 1g    | Pass   |
| <i>Aspergillus niger</i>                      | Absent / 1g    | Pass   |
| <i>Aspergillus terreus</i>                    | Absent / 1g    | Pass   |
| Shiga-toxin producing <i>Escherichia coli</i> | Absent / 1g    | Pass   |
| <i>Salmonella</i>                             | Absent / 1g    | Pass   |

Date Tested: 2/16/2026

CFU = Colony Forming Units

## Terpenoid Analysis

Complete

| Analyte                 | LOQ (%) | Mass (%)    | Mass (mg/g)  |             |
|-------------------------|---------|-------------|--------------|-------------|
| Camphene                | 0.0085  | 0.078       | 0.780        | <div></div> |
| 3-Carene                | 0.0085  | 0.034       | 0.340        | <div></div> |
| β-Caryophyllene         | 0.0085  | ND          | ND           |             |
| p-Cymene                | 0.0085  | ND          | ND           |             |
| Eucalyptol              | 0.0085  | ND          | ND           |             |
| Fenchol                 | 0.0085  | 0.026       | 0.260        | <div></div> |
| α-Humulene              | 0.0085  | 0.760       | 7.600        | <div></div> |
| δ-Limonene              | 0.0085  | 0.510       | 5.100        | <div></div> |
| Linalool                | 0.0085  | 0.480       | 4.800        | <div></div> |
| β-Myrcene               | 0.0085  | 0.560       | 5.600        | <div></div> |
| Nerolidol               | 0.0085  | 0.520       | 5.200        | <div></div> |
| α-Pinene                | 0.0085  | ND          | ND           |             |
| Terpinolene             | 0.0085  | ND          | ND           |             |
| <b>Total Terpenoids</b> |         | <b>2.97</b> | <b>29.68</b> |             |

Date Tested: 2/18/2026

### 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.

Residual Solvents Analysis - 20 compounds (USP\_467)

USP current revision, Chapter 62.

United States Pharmacopeia, 38nd Rev. - National Formulary 33th Ed., Method <467>, USP Convention, Inc., Rockville, MD (2015) (modified).

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 - (FDABAM\_4A\_5\_18)

U.S. Food and Drug Administration, Bacteriological Analytical Manual, Chapter 4A, Diarrheagenic *Escherichia coli*; Chapter 5, *Salmonella*; 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).