



261 Mountain View Dr  
Colchester, VT 05446  
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# Certificate of Analysis



Client Name: X-Tract VT

License Number: MANU-0008



Sample ID: 20260721-33950

Sample Name: Cotton Candy Gummies

Sample Lot: MANU0008-300-1

Sample Matrix: Gummy

Date Received: 7/21/2026

Date Reported: 7/27/2026

Date Tested: 7/23/2026



## Total Cannabinoids

|                         | %     | mg/g  | mg/unit |
|-------------------------|-------|-------|---------|
| Total THC:              | 0.171 | 1.712 | 5.703   |
| Total CBD:              | --    | --    | 0.000   |
| Total Cannabinoids:     | 0.171 | 1.712 | 5.703   |
| Unit Weight (g): 3.3311 |       |       |         |

Total theoretical CBD % = (CBD%) + (CBDA% \* 0.877)  
Total theoretical THC % = (delta-9-THC%) + (THCA% \* 0.877)

## Potency

Standard potency analysis utilizing High Performance Liquid Chromatography (HPLC; SOP-102-OA) | Test ID: #111914

| Analyte | %     | mg/g  | mg/unit | LOD (mg/g) | LOQ (mg/g) |
|---------|-------|-------|---------|------------|------------|
| CBC     | < LOQ | < LOQ | <LOQ    | 0.0003     | 0.0040     |
| CBCA    | ND    | ND    | ND      | 0.0002     | 0.0040     |
| CBD     | ND    | ND    | ND      | 0.0008     | 0.0040     |
| CBDA    | ND    | ND    | ND      | 0.0002     | 0.0040     |
| CBDV    | ND    | ND    | ND      | 0.0008     | 0.0040     |
| CBDVA   | ND    | ND    | ND      | 0.0001     | 0.0040     |
| CBG     | ND    | ND    | ND      | 0.0009     | 0.0040     |
| CBGA    | ND    | ND    | ND      | 0.0001     | 0.0040     |
| CBN     | < LOQ | < LOQ | <LOQ    | 0.0004     | 0.0040     |
| CBNA    | ND    | ND    | ND      | 0.0002     | 0.0040     |
| D8 THC  | ND    | ND    | ND      | 0.0012     | 0.0040     |
| D9 THC  | 0.171 | 1.712 | 5.703   | 0.0016     | 0.0049     |
| D10 THC | ND    | ND    | ND      | 0.0004     | 0.0040     |
| THCA    | ND    | ND    | ND      | 0.0002     | 0.0040     |
| THCV    | ND    | ND    | ND      | 0.0016     | 0.0049     |
| THCVA   | ND    | ND    | ND      | 0.0002     | 0.0040     |

\* Measurements of uncertainty available on request

*Callie Chapman*

Callie Chapman  
Lab Director  
7/27/2026

Rev. 1 Initial Release

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## Cotton Candy Cookies

**Sample ID:** BIA260527S0431  
**Strain:** Cotton Candy Cookies  
**Harvest Lot:**  
**Matrix:** Concentrates & Extracts  
**Type:** Full Spectrum Oil  
**Sample Size:** 1 units  
**Lot#:** MANU0008-300

**Produced:**  
**Collected:**  
**Received:** 05/27/2026  
**Completed:** 06/05/2026  
**Batch#:** MANU0008-300

**Client:**  
**X-Tract Vermont**  
**Lic. #** MANU0008  
 650 INDUSTRIAL PARK RD  
 SAINT ALBANS, VT 05478



### Summary

| Test              | Date Tested | Result   |
|-------------------|-------------|----------|
| Sample            |             | Complete |
| Cannabinoids      | 05/29/2026  | Complete |
| Residual Solvents | 06/04/2026  | Complete |
| Pesticides        | 05/28/2026  | Complete |
| Heavy Metals      | 05/29/2026  | Complete |

### Cannabinoids

Completed

| 81.74%<br>Total THC |        |         |         |       |              | ND<br>Total CBD  |        |              |               |             |              | 83.57%<br>Total Cannabinoids |        |              |               |             |              |
|---------------------|--------|---------|---------|-------|--------------|------------------|--------|--------------|---------------|-------------|--------------|------------------------------|--------|--------------|---------------|-------------|--------------|
| Analyte             | LOQ    | Results | Results | Mass  | Mass         | Analyte          | LOQ    | Results      | Results       | Mass        | Mass         | Analyte                      | LOQ    | Results      | Results       | Mass        | Mass         |
|                     | mg/g   | %       | mg/g    | mg/mL | mg/container |                  | mg/g   | %            | mg/g          | mg/mL       | mg/container |                              | mg/g   | %            | mg/g          | mg/mL       | mg/container |
| CBDVa               | 0.0003 | <LOQ    | <LOQ    |       |              | CBCVa            | 0.0003 | <LOQ         | <LOQ          |             |              | CBCVa                        | 0.0003 | <LOQ         | <LOQ          |             |              |
| CBDV                | 0.0003 | <LOQ    | <LOQ    |       |              | CBNa             | 0.0003 | <LOQ         | <LOQ          |             |              | CBNa                         | 0.0003 | <LOQ         | <LOQ          |             |              |
| CBDa                | 0.0005 | <LOQ    | <LOQ    |       |              | Δ9-THC           | 0.0005 | 73.52        | 735.2         |             |              | Δ9-THC                       | 0.0005 | 73.52        | 735.2         |             |              |
| CBGa                | 0.0005 | <LOQ    | <LOQ    |       |              | Δ8-THC           | 0.0003 | <LOQ         | <LOQ          |             |              | Δ8-THC                       | 0.0003 | <LOQ         | <LOQ          |             |              |
| CBG                 | 0.0005 | <LOQ    | <LOQ    |       |              | Δ10-THC*         | 0.0002 | <LOQ         | <LOQ          |             |              | Δ10-THC*                     | 0.0002 | <LOQ         | <LOQ          |             |              |
| CBD                 | 0.0005 | <LOQ    | <LOQ    |       |              | CBL              | 0.0005 | <LOQ         | <LOQ          |             |              | CBL                          | 0.0005 | <LOQ         | <LOQ          |             |              |
| THCV                | 0.0003 | <LOQ    | <LOQ    |       |              | CBC              | 0.0003 | 0.67         | 6.7           |             |              | CBC                          | 0.0003 | 0.67         | 6.7           |             |              |
| CBLV                | 0.0003 | <LOQ    | <LOQ    |       |              | THCa             | 0.0005 | 9.38         | 93.8          |             |              | THCa                         | 0.0005 | 9.38         | 93.8          |             |              |
| CBCV                | 0.0003 | <LOQ    | <LOQ    |       |              | CBCa             | 0.0006 | <LOQ         | <LOQ          |             |              | CBCa                         | 0.0006 | <LOQ         | <LOQ          |             |              |
| THCVa               | 0.0003 | <LOQ    | <LOQ    |       |              | CBLa             | 0.0005 | <LOQ         | <LOQ          |             |              | CBLa                         | 0.0005 | <LOQ         | <LOQ          |             |              |
| CBN                 | 0.0005 | <LOQ    | <LOQ    |       |              | <b>Total THC</b> |        | <b>81.74</b> | <b>817.41</b> |             |              | <b>Total THC</b>             |        | <b>81.74</b> | <b>817.41</b> |             |              |
|                     |        |         |         |       |              | <b>Total CBD</b> |        | <b>ND</b>    | <b>ND</b>     | <b>ND</b>   | <b>ND</b>    | <b>Total CBD</b>             |        | <b>ND</b>    | <b>ND</b>     | <b>ND</b>   | <b>ND</b>    |
|                     |        |         |         |       |              | <b>Total</b>     |        | <b>83.57</b> | <b>835.68</b> | <b>0.00</b> | <b>0.00</b>  | <b>Total</b>                 |        | <b>83.57</b> | <b>835.68</b> | <b>0.00</b> | <b>0.00</b>  |

Analyst: 063

Cannabinoids Methodology: High Performance Liquid Chromatography (HPLC) using PerkinElmer FLEXAR™ with Photo Diode Array Detector (PDA)

Total CBD and total THC are calculated values, to account for assumed decarboxylation from the acid form (THCA or CBDA) to the neutral form, causing weight loss of the acid group. These values are calculated as follows:

$$\text{Total THC} = (\text{THCA} \times 0.877) + \Delta 9\text{-THC}$$

$$\text{Total CBD} = (\text{CBDA} \times 0.877) + \text{CBD Reagent}$$

Blanks: &lt; LOQs for all analytes

LOQ = The lowest quantity that this method can reliably detect. Any cannabinoid that was not detected is assumed to be less than the stated LOQ (&lt;LOQ).

All results reflect dry weight of material, based on % moisture of the sample.

Measurement of Uncertainty (MU): the parameter, associated with the result of a measurement, that characterizes the dispersion of the values that could reasonably be attributed to the particular quantity subject to measurement. Δ9-THC MU = ±0.005% Total THC MU = ±0.007%

All other cannabinoid MU values are available upon request.

All moisture and water activity analysis is determined by dewpoint measurement using an AQUALAB water activity meter.

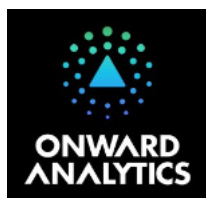
\*The result is the sum of delta-10 isomers.




Luke Emerson-Mason  
 Laboratory Director  
 06/05/2026

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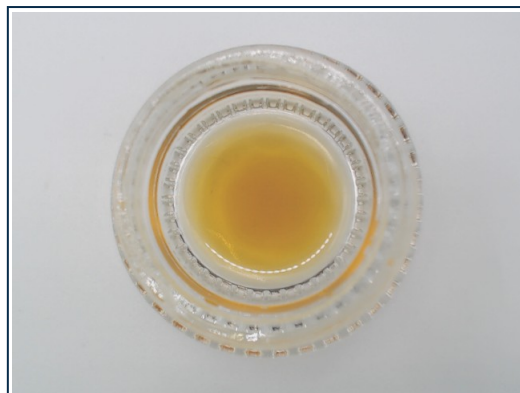


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## Certificate of Analysis

**Client Name:** X-Tract VT  
**License Number:** MANU-0008

**Sample ID:** 20260527-32165  
**Sample Name:** Cotton Candy Cookies  
**Sample Lot:** MANU0008-300  
**Sample Matrix:** Solvent Extraction Concentrates  
**Date Received:** 5/27/2026  
**Date Reported:** 6/1/2026  
**Date Tested:** 5/28/2026



**Total Terpenes (%) : 6.9783**

### Dominant Terpenes (%)

|                   |        |
|-------------------|--------|
| alpha-Terpinolene | 2.9754 |
| Limonene          | 0.7441 |
| Myrcene           | 0.6697 |
| beta-Pinene       | 0.4752 |
| alpha-Pinene      | 0.3587 |

## Terpenes

Standard terpene analysis utilizing Gas Chromatography – Mass Spectrometry (GC-MS; SOP-069-OA) | Test ID: #106166

| Analyte               | Result (%)    | Result (mg/g) | LOD (mg/g) | LOQ (mg/g) |
|-----------------------|---------------|---------------|------------|------------|
| 3-Carene              | 0.1785        | 1.785         | 0.000002   | 0.001      |
| alpha-Bisabolol       | 0.095         | 0.95          | 0.000003   | 0.001      |
| alpha-Humulene        | 0.1306        | 1.306         | 0.000002   | 0.001      |
| alpha-Pinene          | 0.3587        | 3.587         | 0.000001   | 0.001      |
| alpha-Terpinene       | 0.2019        | 2.019         | 0.000001   | 0.001      |
| alpha-Terpinolene     | 2.9754        | 29.754        | 0.000004   | 0.001      |
| beta-caryophyllene    | 0.3069        | 3.069         | 0.000004   | 0.001      |
| beta-Pinene           | 0.4752        | 4.752         | 0.000002   | 0.001      |
| Camphene              | 0.0439        | 0.439         | 0.000001   | 0.001      |
| Caryophyllene Oxide   | 0.0394        | 0.394         | 0.000011   | 0.001      |
| Eucalyptol            | 0.0366        | 0.366         | 0.000002   | 0.001      |
| gamma-Terpinene       | 0.1191        | 1.191         | 0.000002   | 0.001      |
| Geraniol              | ND            | ND            | 0.000008   | 0.003      |
| Guaiol                | ND            | ND            | 0.000007   | 0.001      |
| Isopulegol            | ND            | ND            | 0.000005   | 0.001      |
| Isopropyl Toluene     | 0.0342        | 0.342         | 0.000003   | 0.001      |
| Limonene              | 0.7441        | 7.441         | 0.000002   | 0.001      |
| Linalool              | 0.2284        | 2.284         | 0.000003   | 0.001      |
| Nerolidol             | 0.0544        | 0.544         | 0.000007   | 0.001      |
| Myrcene               | 0.6697        | 6.697         | 0.000003   | 0.001      |
| Ocimene               | 0.2863        | 2.863         | 0.000002   | 0.001      |
| <b>Total Terpenes</b> | <b>6.9783</b> | <b>69.783</b> |            |            |

*Callie Chapman*

Callie Chapman  
Lab Director  
6/1/2026

Rev. 1 Initial Release

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## Cotton Candy Cookies

**Sample ID:** BIA260527S0431  
**Strain:** Cotton Candy Cookies  
**Harvest Lot:**  
**Matrix:** Concentrates & Extracts  
**Type:** Full Spectrum Oil  
**Sample Size:** 1 units  
**Lot#:** MANU0008-300

**Produced:**  
**Collected:**  
**Received:** 05/27/2026  
**Completed:** 06/05/2026  
**Batch#:** MANU0008-300

**Client**  
**X-Tract Vermont**  
**Lic. #** MANU0008  
 650 INDUSTRIAL PARK RD  
 SAINT ALBANS, VT 05478

## Pesticides

Completed

| Category 1 Pesticides | LOD     | LOQ    | Results |
|-----------------------|---------|--------|---------|
|                       | PPM     | PPM    | PPM     |
| Chlorpyrifos          | 0.0003  | 0.0010 | ND      |
| Imazalil              | 0.0003  | 0.0010 | ND      |
| Category 2 Pesticides | LOD     | LOQ    | Results |
|                       | PPM     | PPM    | PPM     |
| Abamectin             | 0.0003  | 0.0010 | ND      |
| Acephate              | 0.001   | 0.0050 | ND      |
| Acequinocyl           | 0.0003  | 0.0010 | ND      |
| Azoxystrobin          | 0.00005 | 0.0010 | ND      |
| Bifenazate            | 0.0001  | 0.0010 | ND      |
| Bifenthrin            | 0.0001  | 0.0010 | ND      |
| Carbaryl              | 0.0001  | 0.0010 | ND      |
| Cypermethrin          | 0.001   | 0.0050 | ND      |
| Etoxazole             | 0.0001  | 0.0010 | ND      |
| Imidacloprid          | 0.00005 | 0.0010 | ND      |
| Myclobutanil          | 0.0001  | 0.0010 | ND      |
| Pyrethrins            | 0.001   | 0.0050 | ND      |
| Spinosyn A            | 0.0001  | 0.0010 | ND      |
| Spinosyn D            | 0.0003  | 0.0010 | ND      |

Analyst: 062

Pesticides Methodology: Liquid Chromatography with Tandem Mass Spectrometry using PerkinElme QSight® LX50 UHPLC and QSight 220 Mass Spectrometer

LOQ = The lowest quantity this method can reliably quantify. Any pesticides or mycotoxins that were not quantifiable are less than the stated LOQ (&lt;LOQ).

ppm = parts per million

All moisture and water activity analysis is determined by dewpoint measurement using an AQUALAB water activity meter.

ND = Not Detected (&lt;LOD)




Luke Emerson-Mason  
 Laboratory Director  
 06/05/2026

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## Cotton Candy Cookies

**Sample ID: BIA260527S0431**  
 Strain: Cotton Candy Cookies  
 Harvest Lot:  
 Matrix: Concentrates & Extracts  
 Type: Full Spectrum Oil  
 Sample Size: 1 units  
 Lot#: MANU0008-300

Produced:  
 Collected:  
 Received: 05/27/2026  
 Completed: 06/05/2026  
 Batch#: MANU0008-300

Client  
**X-Tract Vermont**  
 Lic. # MANU0008  
 650 INDUSTRIAL PARK RD  
 SAINT ALBANS, VT 05478

## Heavy Metals

Completed

| Analyte      | LOQ    | Results       |
|--------------|--------|---------------|
|              | µg/g   | µg/g          |
| Chromium     | 0.0005 | NT            |
| Nickel       | 0.0005 | NT            |
| Copper       | 0.0005 | NT            |
| Zinc         | 0.0005 | NT            |
| Arsenic      | 0.0005 | 0.0041        |
| Cadmium      | 0.0005 | 0.0006        |
| Mercury      | 0.0005 | 0.0151        |
| Lead         | 0.0005 | 0.0412        |
| <b>Total</b> |        | <b>0.0610</b> |

Analyst: 052

Heavy Metal Methodology: ICP-MS using PerkinElmer NexION® 2000 ICP Mass Spectrometer

Reagent Blanks: &lt; LOQs for all analytes

ppm = parts per million

LOQ = The lowest quantity that this method can reliably detect. Any heavy metal that was not detected is assumed to be less than the stated LOQ (&lt;LOQ).

All results reflect dry weight of material, based on % moisture of the sample.

All moisture and water activity analysis is determined by dewpoint measurement using an AQUALAB water activity meter.




Luke Emerson-Mason  
 Laboratory Director  
 06/05/2026

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## Cotton Candy Cookies

**Sample ID:** BIA260527S0431  
**Strain:** Cotton Candy Cookies  
**Harvest Lot:**  
**Matrix:** Concentrates & Extracts  
**Type:** Full Spectrum Oil  
**Sample Size:** 1 units  
**Lot#:** MANU0008-300

**Produced:**  
**Collected:**  
**Received:** 05/27/2026  
**Completed:** 06/05/2026  
**Batch#:** MANU0008-300

**Client**  
**X-Tract Vermont**  
**Lic. #** MANU0008  
 650 INDUSTRIAL PARK RD  
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## Residual Solvents

Completed

| Analyte           | LOQ    | Results  |
|-------------------|--------|----------|
|                   | µg/g   | µg/g     |
| Acetone           | 100.00 | <LOQ     |
| Acetonitrile      | 50.00  | <LOQ     |
| Benzene           | 0.50   | <LOQ     |
| n-Butane          | 50.00  | <LOQ     |
| Chloroform        | 5.00   | <LOQ     |
| Ethanol           | 500.00 | <LOQ     |
| Ethyl-Acetate     | 500.00 | <LOQ     |
| Ethyl-Ether       | 500.00 | <LOQ     |
| Heptane           | 500.00 | <LOQ     |
| n-Hexane          | 5.00   | <LOQ     |
| Isopropanol       | 100.00 | <LOQ     |
| Methanol          | 200.00 | <LOQ     |
| Dichloromethane   | 50.00  | <LOQ     |
| n-Pentane         | 500.00 | <LOQ     |
| Propane           | 500.00 | <LOQ     |
| Toluene           | 50.00  | <LOQ     |
| Trichloroethylene | 500.00 | <LOQ     |
| Xylenes           | 50.00  | <LOQ     |
| <b>Total</b>      |        | <b>0</b> |

Analyst: 063

Residual Solvent Methodology: Headspace Sampler, Gas Chromatography-Mass Spectrometry (GC-MS), using Perkin Elmer Clarus® SQ8 GC MS

LOQ = The lowest quantity that this method can reliably detect. Any residual solvent that was not detected is assumed to be less than the stated LOQ (&lt;LOQ).

Reagent Blanks: &lt; LOQs for all analytes




Luke Emerson-Mason  
 Laboratory Director  
 06/05/2026

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