

Green Castle Distillate

Sample ID: BIA260423S0558
Strain: Mix
Harvest Lot:
Matrix: Concentrates & Extracts
Type: Distillate
Sample Size: 1 units
Lot#: MANU0008-291

Produced:
Collected:
Received: 04/23/2026
Completed: 05/01/2026
Batch#: MANU0008-291

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



Summary

| Test | Date Tested | Result |
|-------------------|-------------|----------|
| Sample | | Complete |
| Cannabinoids | 04/24/2026 | Complete |
| Residual Solvents | 04/29/2026 | Complete |
| Pesticides | 04/28/2026 | Complete |
| Heavy Metals | 04/30/2026 | Complete |

Cannabinoids

Completed

| 82.50% Total THC | | | | | | 4.47% Total CBD | | | | 94.15% 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 | | | Δ9-THC | 0.0005 | 82.50 | 825.0 | | | |
| CBDV | 0.0003 | <LOQ | <LOQ | | | CBNa | 0.0003 | <LOQ | <LOQ | | | Δ8-THC | 0.0003 | <LOQ | <LOQ | | | |
| CBDa | 0.0005 | <LOQ | <LOQ | | | Δ9-THC | 0.0005 | 82.50 | 825.0 | | | Δ10-THC* | 0.0002 | <LOQ | <LOQ | | | |
| CBGa | 0.0005 | <LOQ | <LOQ | | | CBL | 0.0005 | <LOQ | <LOQ | | | CBC | 0.0003 | 1.54 | 15.4 | | | |
| CBG | 0.0005 | 3.78 | 37.8 | | | THCa | 0.0005 | <LOQ | <LOQ | | | THCa | 0.0005 | <LOQ | <LOQ | | | |
| CBD | 0.0005 | 4.47 | 44.7 | | | CBCa | 0.0006 | <LOQ | <LOQ | | | CBCa | 0.0006 | <LOQ | <LOQ | | | |
| THCV | 0.0003 | 0.61 | 6.1 | | | CBLa | 0.0005 | <LOQ | <LOQ | | | CBLa | 0.0005 | <LOQ | <LOQ | | | |
| CBLV | 0.0003 | <LOQ | <LOQ | | | Total THC | | 82.50 | 824.99 | | | Total CBD | | 4.47 | 44.67 | | | |
| CBCV | 0.0003 | <LOQ | <LOQ | | | Total | | 94.15 | 941.50 | 0.00 | 0.00 | | | | | | | |
| THCVa | 0.0003 | <LOQ | <LOQ | | | | | | | | | | | | | | | |
| CBN | 0.0005 | 1.24 | 12.4 | | | | | | | | | | | | | | | |

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: < 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 (<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
 05/01/2026

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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 (<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 (<LOD)




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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 | 0.0019 |
| Cadmium | 0.0005 | <LOQ |
| Mercury | 0.0005 | <LOQ |
| Lead | 0.0005 | 0.0019 |
| Total | | 0.0038 |

Analyst: 052

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

Reagent Blanks: < 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 (<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.




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Residual Solvents

Completed

| Analyte | LOQ | Results |
|-------------------|--------|----------|
| | µg/g | µg/g |
| Acetone | 50.00 | <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 | 50.00 | <LOQ |
| Methanol | 50.00 | <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 |
| Total | | 0 |

Analyst: 048

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 (<LOQ).

Reagent Blanks: < LOQs for all analytes




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