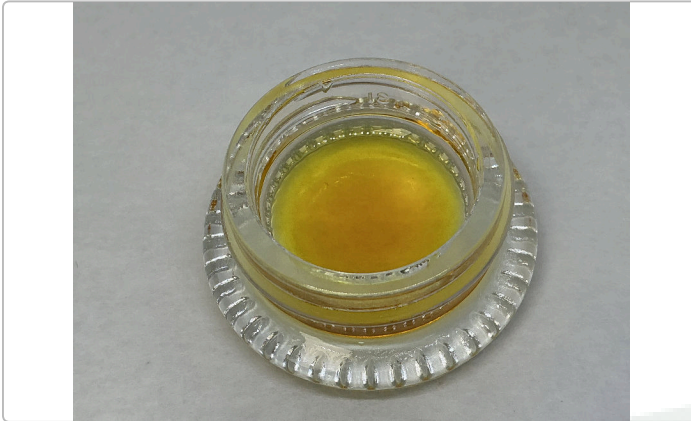


## Sour Chem

**Sample ID:** BIA260423S0559  
**Strain:** Sour Chem  
**Harvest Lot:**  
**Matrix:** Concentrates & Extracts  
**Type:** Distillate  
**Sample Size:** 1 units  
**Lot#:** MANU0008-291-1

**Produced:**  
**Collected:**  
**Received:** 04/23/2026  
**Completed:** 05/01/2026  
**Batch#:** MANU0008-291-1

**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
Terpenes	04/24/2026	Complete

## Cannabinoids

Completed

75.32%				4.05%				85.91%			
Total THC				Total CBD				Total Cannabinoids			
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
CBDVa	0.0003	<LOQ	<LOQ			CBCVa	0.0003	<LOQ	<LOQ		
CBDV	0.0003	<LOQ	<LOQ			CBNa	0.0003	<LOQ	<LOQ		
CBDa	0.0005	<LOQ	<LOQ			Δ9-THC	0.0005	75.32	753.2		
CBGa	0.0005	<LOQ	<LOQ			Δ8-THC	0.0003	<LOQ	<LOQ		
CBG	0.0005	3.38	33.8			Δ10-THC*	0.0002	<LOQ	<LOQ		
CBD	0.0005	4.05	40.5			CBL	0.0005	<LOQ	<LOQ		
THCV	0.0003	0.58	5.8			CBC	0.0003	1.46	14.6		
CBLV	0.0003	<LOQ	<LOQ			THCa	0.0005	<LOQ	<LOQ		
CBCV	0.0003	<LOQ	<LOQ			CBCa	0.0006	<LOQ	<LOQ		
THCVa	0.0003	<LOQ	<LOQ			CBLa	0.0005	<LOQ	<LOQ		
CBN	0.0005	1.12	11.2			<b>Total THC</b>		<b>75.32</b>	<b>753.18</b>		
						<b>Total CBD</b>		<b>4.05</b>	<b>40.54</b>		
						<b>Total</b>		<b>85.91</b>	<b>859.10</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  
 05/01/2026

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## Sour Chem

**Sample ID:** BIA260423S0559  
**Strain:** Sour Chem  
**Harvest Lot:**  
**Matrix:** Concentrates & Extracts  
**Type:** Distillate  
**Sample Size:** 1 units  
**Lot#:** MANU0008-291-1

**Produced:**  
**Collected:**  
**Received:** 04/23/2026  
**Completed:** 05/01/2026  
**Batch#:** MANU0008-291-1

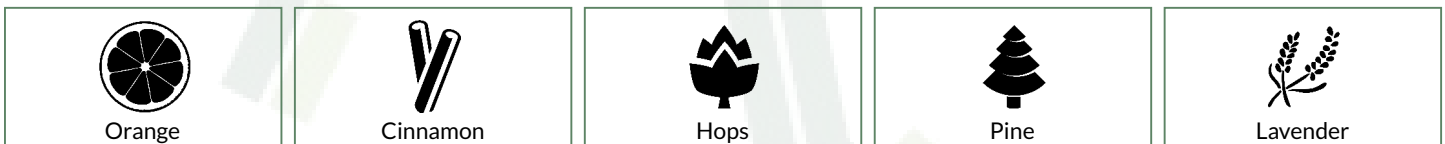
**Client**  
**X-Tract Vermont**  
**Lic. #** MANU0008  
**650 INDUSTRIAL PARK RD**  
**SAINT ALBANS, VT 05478**

## Terpenes

Completed

Analyte	LOQ	Results	Results
	mg/g	mg/g	%
Limonene	0.010	2.914	0.291
β-Caryophyllene	0.010	2.731	0.273
β-Myrcene	0.010	1.991	0.199
β-Pinene	0.010	1.043	0.104
Linalool	0.010	1.029	0.103
α-Humulene	0.010	0.784	0.078
α-Pinene	0.010	0.618	0.062
3-Carene	0.010	0.163	0.016
α-Bisabolol	0.010	0.062	0.006
Terpinolene	0.010	0.062	0.006
Camphene	0.010	0.055	0.005
Caryophyllene Oxide	0.010	0.038	0.004
p-Cymene	0.010	0.032	0.003
trans-Ocimene	0.010	0.028	0.003
Geraniol	0.010	0.023	0.002
α-Terpinene	0.010	<LOQ	<LOQ
cis-Nerolidol	0.010	<LOQ	<LOQ
cis-Ocimene	0.010	<LOQ	<LOQ
Eucalyptol	0.010	<LOQ	<LOQ
γ-Terpinene	0.010	<LOQ	<LOQ
Guaiol	0.010	<LOQ	<LOQ
Isopulegol	0.010	<LOQ	<LOQ
trans-Nerolidol	0.010	<LOQ	<LOQ
<b>Total</b>		<b>11.573</b>	<b>1.157</b>

## Primary Aromas



Analyst: 063

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

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

Reagent Blanks: &lt; LOQs for all analytes

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  
 05/01/2026

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## 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

### 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  
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 05/01/2026

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## 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

## 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
<b>Total</b>		<b>0.0038</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.




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## Green Castle Distillate

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

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**Received:** 04/23/2026  
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**Batch#:** MANU0008-291

**Client:**  
**X-Tract Vermont**  
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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
<b>Total</b>		<b>0</b>

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 (&lt;LOQ).

Reagent Blanks: &lt; LOQs for all analytes




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