

Nuclear Cookies

Sample ID: BIA260129S0540
Strain: Nuclear Cookies
Harvest Lot:
Matrix: Concentrates & Extracts
Type: Full Spectrum Oil
Sample Size: 1 units
Lot#: MANU0008-249

Produced:
Collected:
Received: 01/29/2026
Completed: 02/09/2026
Batch#: MANU0008-249

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



Summary

Test	Date Tested	Result
Sample		Complete
Cannabinoids	02/04/2026	Complete
Residual Solvents	02/04/2026	Complete
Pesticides	02/04/2026	Complete

Cannabinoids

Completed

92.61% Total THC						0.28% Total CBD				99.97% 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								
CBDV	0.0003	<LOQ	<LOQ			CBNa	0.0003	0.10	1.0								
CBDa	0.0005	0.13	1.3			Δ9-THC	0.0005	81.89	818.9								
CBGa	0.0005	0.50	5.0			Δ8-THC	0.0003	<LOQ	<LOQ								
CBG	0.0005	0.89	8.9			Δ10-THC*	0.0002	<LOQ	<LOQ								
CBD	0.0005	0.17	1.7			CBL	0.0005	<LOQ	<LOQ								
THCV	0.0003	1.72	17.2			CBC	0.0003	0.43	4.3								
CBLV	0.0003	<LOQ	<LOQ			THCa	0.0005	12.23	122.3								
CBCV	0.0003	<LOQ	<LOQ			CBCa	0.0006	0.73	7.3								
THCVa	0.0003	0.80	8.0			CBLa	0.0005	<LOQ	<LOQ								
CBN	0.0005	0.40	4.0			Total THC		92.61	926.11								
						Total CBD		0.28	2.78								
						Total		99.97	999.66	0.00	0.00						

Analyst: 048

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
 02/09/2026

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Certificate of Analysis

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

Sample ID: 20260129-28897
Sample Name: Nuclear Cookies
Sample Lot: MANU0008-249
Sample Matrix: Solvent Extraction Concentrates
Date Received: 1/30/2026
Date Reported: 2/4/2026
Date Tested: 2/3/2026



Total Terpenes (%) : 3.1395

Dominant Terpenes (%)	
beta-caryophyllene	0.8909
Limonene	0.4923
Myrcene	0.4818
alpha-Humulene	0.4069
alpha-Bisabolol	0.2137

Terpenes

Standard terpene analysis utilizing Gas Chromatography – Mass Spectrometry (GC-MS; SOP-069-OA) | Test ID: #95051

Analyte	Result (%)	Result (mg/g)	LOD (mg/g)	LOQ (mg/g)
3-Carene	ND	ND	0.000002	0.001
alpha-Bisabolol	0.2137	2.137	0.000003	0.001
alpha-Humulene	0.4069	4.069	0.000002	0.001
alpha-Pinene	0.0938	0.938	0.000001	0.001
alpha-Terpinene	0.0364	0.364	0.000001	0.001
alpha-Terpinolene	0.0454	0.454	0.000004	0.001
beta-caryophyllene	0.8909	8.909	0.000004	0.001
beta-Pinene	0.0882	0.882	0.000002	0.001
Camphene	0.0387	0.387	0.000001	0.001
Caryophyllene Oxide	ND	ND	0.000011	0.001
Eucalyptol	ND	ND	0.000002	0.001
gamma-Terpinene	ND	ND	0.000002	0.001
Geraniol	ND	ND	0.000008	0.003
Guaiol	0.052	0.52	0.000007	0.001
Isopulegol	ND	ND	0.000005	0.001
Isopropyl Toluene	ND	ND	0.000003	0.001
Limonene	0.4923	4.923	0.000002	0.001
Linalool	0.1439	1.439	0.000003	0.001
Nerolidol	0.0392	0.392	0.000007	0.001
Myrcene	0.4818	4.818	0.000003	0.001
Ocimene	0.1163	1.163	0.000002	0.001
Total Terpenes	3.1395	31.395		



Callie Chapman

Callie Chapman
 Lab Director
 2/4/2026

Rev. 1 Initial Release

In performing the services, Onward Analytics, ("OA") shall exercise a degree of skill and care ordinarily exercised by a reasonably prudent laboratory professional under similar circumstances. Except as set forth in the preceding sentence, client acknowledges and agrees that: (a) the services may require OA to make judgements based upon limited data rather than upon scientific certainties; (b) OA's approach, recommendations, and associated cost estimates, if any, are based on industry practices and averages; (c) OA renders its opinions with respect to observations made and data available at the time of testing; (d) ultimate outcomes could be inconsistent with OA's conclusions, results and projections; and (e) there may be additional reports relating to the site (whether prepared by OA or other parties), and reliance upon any OA report without reference to any such other reports is done at client's sole risk.





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Certificate of Analysis

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Date Received: 1/30/2026
Date Reported: 2/4/2026
Date Tested: 2/2/2026



Heavy Metals PASS

Heavy metals analysis utilizing Inductively Coupled Plasma Mass Spectrometry (ICP-MS; SOP-072-OA) - **Limit units: ppm** | Test ID: #95050

Analyte	Pass/Fail	Result (ppm)	Limit (ppm)	LOD (ppm)	LOQ (ppm)
Arsenic	PASS	< LOQ	1.500	0.0000260	0.00050
Cadmium	PASS	< LOQ	0.500	0.0000004	0.00050
Lead	PASS	< LOQ	1.000	0.0000190	0.00050
Mercury	PASS	< LOQ	1.500	0.0000039	0.00050



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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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 02/09/2026

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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: 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 (<LOQ).

Reagent Blanks: < LOQs for all analytes




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02/09/2026

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