

## SCLT0193-028

**Sample ID: BIA260106S0100**  
 Strain: Lemon Confetti Cake  
 Harvest Lot: 028  
 Matrix: Plant  
 Type: Flower - Cured  
 Sample Size: 15.04 g  
 Lot#:

Produced:  
 Collected:  
 Received: 01/06/2026  
 Completed: 01/14/2026  
 Batch#:

Client  
**Monarch Cultivation**  
 Lic. # SCLT0193  
 472 School St.  
 East Haven, VT 05837



### Summary

Test	Date Tested	Result
Sample		Complete
Cannabinoids	01/07/2026	Complete
Moisture	01/06/2026	12.00% - Complete
Water Activity	01/06/2026	0.599 aw - Complete
Terpenes	01/06/2026	Complete
Microbials	01/09/2026	Complete
Pesticides	01/07/2026	Complete

### Cannabinoids

Completed

21.36% Total THC					0.06% Total CBD			26.54% Total Cannabinoids			
Analyte	LOQ	Results	Results	Mass	Analyte	LOQ	Results	Results	Mass		
	mg/g	%	mg/g	mg/serving		mg/g	%	mg/g	mg/serving		
CBDVa	0.0003	<LOQ	<LOQ		CBCVa	0.0003	<LOQ	<LOQ			
CBDV	0.0003	<LOQ	<LOQ		CBNa	0.0003	<LOQ	<LOQ			
CBDa	0.0005	0.07	0.7		Δ9-THC	0.0005	0.34	3.4			
CBGa	0.0005	1.31	13.1		Δ8-THC	0.0003	<LOQ	<LOQ			
CBG	0.0005	<LOQ	<LOQ		Δ10-THC*	0.0002	0.11	1.1			
CBD	0.0005	<LOQ	<LOQ		CBL	0.0005	<LOQ	<LOQ			
THCV	0.0003	0.05	0.5		CBC	0.0003	0.30	3.0			
CBLV	0.0003	0.09	0.9		THCa	0.0005	23.97	239.7			
CBCV	0.0003	<LOQ	<LOQ		CBCa	0.0006	0.17	1.7			
THCVa	0.0003	0.13	1.3		CBLa	0.0005	<LOQ	<LOQ			
CBN	0.0005	<LOQ	<LOQ		<b>Total THC</b>		<b>21.36</b>	<b>213.63</b>			
					<b>Total CBD</b>		<b>0.06</b>	<b>0.61</b>			
					<b>Total</b>		<b>26.54</b>	<b>265.39</b>	<b>0.00</b>		

Analyst: 056

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  
 01/14/2026

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### Terpenes

Completed

Analyte	LOQ	Results	Results
	mg/g	mg/g	%
Terpinolene	0.010	4.412	0.441
β-Myrcene	0.010	2.190	0.219
β-Pinene	0.010	1.859	0.186
Limonene	0.010	1.600	0.160
α-Pinene	0.010	1.432	0.143
3-Carene	0.010	1.301	0.130
β-Caryophyllene	0.010	1.221	0.122
Linalool	0.010	0.978	0.098
Ocimene	0.010	0.783	0.078
α-Terpinene	0.010	0.531	0.053
γ-Terpinene	0.010	0.439	0.044
α-Humulene	0.010	0.413	0.041
Eucalyptol	0.010	0.119	0.012
Camphene	0.010	0.058	0.006
Geraniol	0.010	0.044	0.004
α-Bisabolol	0.010	0.018	0.002
Caryophyllene Oxide	0.010	<LOQ	<LOQ
cis-Nerolidol	0.010	<LOQ	<LOQ
Guaiol	0.010	<LOQ	<LOQ
Isopulegol	0.010	<LOQ	<LOQ
p-Cymene	0.010	<LOQ	<LOQ
trans-Nerolidol	0.010	<LOQ	<LOQ
<b>Total</b>		<b>17.397</b>	<b>1.740</b>

### Primary Aromas



Analyst: 048

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.




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 01/14/2026

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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
Etoazole	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: 048

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)




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Pathogens

Completed

Pathogens	LOD	Results
	CFU/g	CFU/g
Aspergillus	5	Not Detected
Shiga Toxin E. Coli	5	Not Detected
Salmonella SPP	5	Not Detected

Analyst: 049

Test Methodology: Bio-Rad IQ-Check PCR Kits

cfu/g = colony forming units per gram

LOD = The lowest quantity that this method can reliably detect. Any microbial growth that was not detected is assumed to be less than the stated LOD (<LOD).

Reagent Blanks: <LOD for all analytes




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