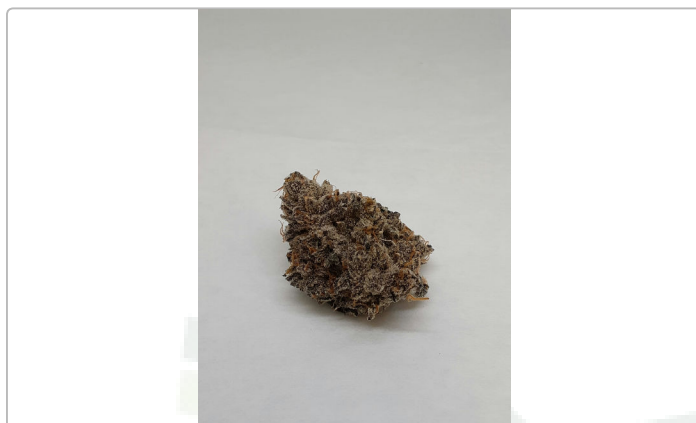


31-B

 Sample ID: BIA250626S0004
 Strain: Pine Mentz

 Matrix: Plant
 Type: Flower - Cured
 Sample Size: 5.32 g
 Lot#:

 Produced:
 Collected:
 Received: 06/26/2025
 Completed: 07/03/2025
 Batch#:

 Client
High Altitude Cannabis
 Lic. # SCLT0162
 313 Kate Brook Rd
 Hardwick, VT 05483


Summary

Test	Date Tested	Result
Sample		Complete
Cannabinoids	07/01/2025	Complete
Moisture	06/26/2025	10.80% - Complete
Water Activity	06/26/2025	0.551 aw - Complete
Terpenes	06/30/2025	Complete
Microbials	07/03/2025	Complete

Cannabinoids

Completed

24.83% Total THC					0.07% Total CBD					31.09% Total Cannabinoids				
Analyte	LOQ	Results	Results	Mass	Analyte	LOQ	Results	Results	Mass	Analyte	LOQ	Results	Results	Mass
	mg/g	%	mg/g	mg/serving		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	0.08	0.8		Δ9-THC	0.0005	0.43	4.3						
CBGa	0.0005	1.66	16.6		Δ8-THC	0.0003	<LOQ	<LOQ						
CBG	0.0005	<LOQ	<LOQ		Δ10-THC*	0.0002	0.03	0.3						
CBD	0.0005	<LOQ	<LOQ		CBL	0.0005	<LOQ	<LOQ						
THCV	0.0003	<LOQ	<LOQ		CBC	0.0003	<LOQ	<LOQ						
CBLV	0.0003	<LOQ	<LOQ		THCa	0.0005	27.81	278.1						
CBCV	0.0003	<LOQ	<LOQ		CBCa	0.0006	0.92	9.2						
THCVa	0.0003	0.14	1.4		CBLa	0.0005	<LOQ	<LOQ						
CBN	0.0005	<LOQ	<LOQ		Total THC		24.83	248.26						
					Total CBD		0.07	0.73						
					Total		31.09	310.86	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
 07/03/2025

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 (866) 506-5866
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Terpenes

Completed

Analyte	LOQ	Results	Results
	mg/g	mg/g	%
Ocimene	0.010	5.944	0.594
Limonene	0.010	5.863	0.586
β-Pinene	0.010	2.648	0.265
Linalool	0.010	2.637	0.264
α-Pinene	0.010	2.443	0.244
β-Caryophyllene	0.010	2.354	0.235
β-Myrcene	0.010	1.157	0.116
α-Humulene	0.010	1.153	0.115
Camphene	0.010	0.340	0.034
Isopulegol	0.010	0.156	0.016
Terpinolene	0.010	0.094	0.009
Geraniol	0.010	0.029	0.003
Caryophyllene Oxide	0.010	0.020	0.002
γ-Terpinene	0.010	0.018	0.002
Eucalyptol	0.010	0.017	0.002
α-Terpinene	0.010	0.014	0.001
3-Carene	0.010	<LOQ	<LOQ
α-Bisabolol	0.010	<LOQ	<LOQ
cis-Nerolidol	0.010	<LOQ	<LOQ
Guaiol	0.010	<LOQ	<LOQ
p-Cymene	0.010	<LOQ	<LOQ
trans-Nerolidol	0.010	<LOQ	<LOQ
Total		24.888	2.489

Primary Aromas

 Earthy	 Orange	 Pine	 Lavender	 Cinnamon
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Analyst: 052

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

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

Reagent Blanks: < 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
 07/03/2025

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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: 018

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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07/03/2025

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