

Grape Gas

Sample ID: BIA260424S0574
 Strain: HL-16
 Harvest Lot:
 Matrix: Plant
 Type: Flower - Cured
 Sample Size: 5.2 g
 Lot#:

Produced:
 Collected:
 Received: 04/24/2026
 Completed: 04/30/2026
 Batch#:

Client
Green Castle
 Lic. #
 853 RT 15W
 Johnson, VT 05656



Summary

Test	Date Tested	Result
Sample		Complete
Cannabinoids	04/28/2026	Complete
Moisture	04/27/2026	9.00% - Complete
Water Activity	04/27/2026	0.423 aw - Complete
Terpenes	04/27/2026	Complete
Microbials	04/30/2026	Complete

Cannabinoids

Completed

28.62%			0.11%			33.82%			
Total THC			Total CBD			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	0.05	0.5	
CBDa	0.0005	0.12	1.2		Δ9-THC	0.0005	0.35	3.5	
CBGa	0.0005	0.63	6.3		Δ8-THC	0.0003	<LOQ	<LOQ	
CBG	0.0005	<LOQ	<LOQ		Δ10-THC*	0.0002	<LOQ	<LOQ	
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	32.23	322.3	
CBCV	0.0003	<LOQ	<LOQ		CBCa	0.0006	0.28	2.8	
THCVa	0.0003	0.14	1.4		CBLa	0.0005	<LOQ	<LOQ	
CBN	0.0005	<LOQ	<LOQ		Total THC		28.62	286.20	
					Total CBD		0.11	1.08	
					Total		33.82	338.15	0.00

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
 04/30/2026

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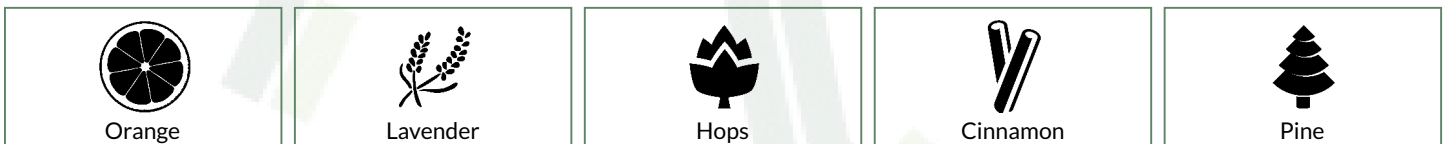
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Terpenes

Completed

Analyte	LOQ	Results	Results
	mg/g	mg/g	%
Limonene	0.010	3.002	0.300
Linalool	0.010	2.290	0.229
β-Myrcene	0.010	2.112	0.211
β-Caryophyllene	0.010	1.951	0.195
β-Pinene	0.010	1.269	0.127
α-Pinene	0.010	1.012	0.101
α-Humulene	0.010	0.995	0.100
Camphene	0.010	0.299	0.030
Terpinolene	0.010	0.115	0.011
cis-Ocimene	0.010	0.092	0.009
α-Bisabolol	0.010	0.071	0.007
trans-Ocimene	0.010	0.061	0.006
γ-Terpinene	0.010	0.017	0.002
α-Terpinene	0.010	0.013	0.001
3-Carene	0.010	<LOQ	<LOQ
Caryophyllene Oxide	0.010	<LOQ	<LOQ
cis-Nerolidol	0.010	<LOQ	<LOQ
Eucalyptol	0.010	<LOQ	<LOQ
Geraniol	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
Total		13.299	1.330

Primary Aromas



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.




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 04/30/2026

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Pathogens

Completed

Pathogens	LOD	Results
	CFU/g	CFU/g
Aspergillus	5	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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