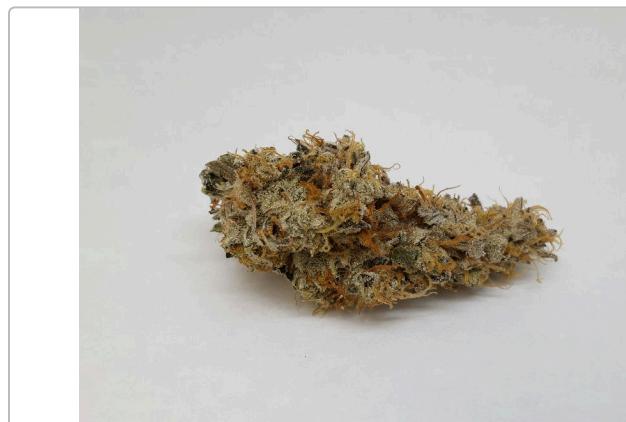


**GMO HL17**

 Sample ID: BIA250807S0011  
 Strain: GMO

 Matrix: Plant  
 Type: Flower - Cured  
 Sample Size: 8.16 g  
 Lot#: HL17

 Produced:  
 Collected:  
 Received: 08/07/2025  
 Completed: 08/14/2025  
 Batch#:

 Client  
**PermaGanix**

**Summary**

Test	Date Tested	Result
Sample		Complete
Cannabinoids	08/11/2025	Complete
Moisture	08/08/2025	11.70% - Complete
Water Activity	08/08/2025	0.583 aw - Complete
Terpenes	08/12/2025	Complete
Microbials	08/14/2025	Complete

**Cannabinoids**

Completed

32.79% Total THC				0.09% Total CBD				40.67% Total Cannabinoids			
Analyte	LOQ	Results	Mass	Analyte	LOQ	Results	Mass	Analyte	LOQ	Results	Mass
	mg/g	%	mg/g		mg/g	%	mg/g		mg/g	%	mg/g
CBDVa	0.0003	<LOQ	<LOQ	CBCVa	0.0003	<LOQ	<LOQ				
CBDV	0.0003	<LOQ	<LOQ	CBNa	0.0003	<LOQ	<LOQ				
CBDa	0.0005	0.10	1.0	Δ9-THC	0.0005	0.18	1.8				
CBGa	0.0005	1.83	18.3	Δ8-THC	0.0003	<LOQ	<LOQ				
CBG	0.0005	0.11	1.1	Δ10-THC*	0.0002	<LOQ	<LOQ				
CBD	0.0005	<LOQ	<LOQ	CBL	0.0005	<LOQ	<LOQ				
THCV	0.0003	0.07	0.7	CBC	0.0003	<LOQ	<LOQ				
CBLV	0.0003	0.14	1.4	THCa	0.0005	37.18	371.8				
CBCV	0.0003	<LOQ	<LOQ	CBCa	0.0006	0.43	4.3				
THCVA	0.0003	0.21	2.1	CBLa	0.0005	0.42	4.2				
CBN	0.0005	<LOQ	<LOQ	Total THC		32.79	327.90				
				Total CBD		0.09	0.90				
				Total		40.67	406.67				0.00

Analyst: 052

 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:

Total THC = (THCA x 0.877) + Δ9-THC

Total CBD = (CBDa x 0.877) + 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).

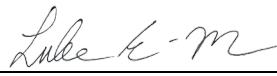
All results reflect dry weight of material, based on % moisture of the sample.

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  
 08/14/2025

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**GMO HL17**

 Sample ID: BIA250807S0011  
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 Client  
**PermaGanix**
**Terpenes**

Completed

Analyte	LOQ	Results	Results
	mg/g	mg/g	%
Limonene	0.010	8.554	0.855
β-Myrcene	0.010	5.012	0.501
Ocimene	0.010	4.414	0.441
β-Caryophyllene	0.010	2.588	0.259
β-Pinene	0.010	2.191	0.219
Linalool	0.010	1.480	0.148
α-Pinene	0.010	1.245	0.124
α-Humulene	0.010	1.179	0.118
Terpinolene	0.010	0.255	0.025
Camphene	0.010	0.174	0.017
α-Bisabolol	0.010	0.021	0.002
γ-Terpinene	0.010	0.020	0.002
α-Terpinene	0.010	0.017	0.002
3-Carene	0.010	0.013	0.001
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
<b>Total</b>		<b>27.162</b>	<b>2.716</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: < 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  
 08/14/2025

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## GMO HL17

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 Client  
**PermaGanix**

### 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 (&lt;LOD).

Reagent Blanks: &lt;LOD for all analytes




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