

OG Ghost Train Haze

 Sample ID: BIA241022S0028
 Strain: OG Ghost Train Haze

 Produced:
 Collected:
 Received: 10/22/2024
 Completed: 11/01/2024
 Batch#:

 Client
Green Mountain Scientific Corp.
 Lic. # MANU0019
 PO Box 699
 Morrisville, VT 05661

 Matrix: Plant
 Type: Flower - Cured
 Sample Size: 10 g
 Lot#: HL-0054240104


Summary

Test	Date Tested	Result
Sample		Complete
Cannabinoids	10/24/2024	Complete
Moisture	10/23/2024	11.00% - Complete
Water Activity	10/23/2024	0.549 aw - Complete
Terpenes	10/24/2024	Complete
Microbials	10/31/2024	Complete

Cannabinoids

Completed

27.25% Total THC	0.07% Total CBD	32.05% Total Cannabinoids
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Analyte	LOQ	Results	Results	Mass	Mass
	mg/g	%	mg/g	mg/serving	mg/container
CBDVa	0.0005	<LOQ	<LOQ		
CBDV	0.0012	<LOQ	<LOQ		
CBDa	0.0008	0.08	0.8		
CBGa	0.0008	1.01	10.1		
CBG	0.0019	0.10	1.0		
CBD	0.0019	<LOQ	<LOQ		
THCV	0.0021	<LOQ	<LOQ		
CBN	0.0013	<LOQ	<LOQ		
Δ9-THC	0.0020	1.91	19.1		
Δ8-THC	0.0019	<LOQ	<LOQ		
Δ10-THC	0.0002	0.06	0.6		
CBC	0.0024	<LOQ	<LOQ		
THCa	0.0034	28.90	289.0		
Total THC		27.25	272.52		
Total CBD		0.07	0.67		
Total		32.05	320.45	0.00	0.00

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: < 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.




 Luke Emerson-Mason
 Laboratory Director
 11/01/2024

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Terpenes

Completed

Analyte	LOQ	Results	Results
	mg/g	mg/g	%
Limonene	0.010	9.119	0.912
β-Myrcene	0.010	4.324	0.432
α-Pinene	0.010	3.753	0.375
Ocimene	0.010	3.504	0.350
β-Caryophyllene	0.010	3.346	0.335
β-Pinene	0.010	3.098	0.310
α-Humulene	0.010	1.747	0.175
Linalool	0.010	1.027	0.103
Camphene	0.010	0.215	0.021
Terpinolene	0.010	0.129	0.013
Guaiol	0.010	0.050	0.005
α-Bisabolol	0.010	0.041	0.004
Caryophyllene Oxide	0.010	0.039	0.004
γ-Terpinene	0.010	0.018	0.002
Eucalyptol	0.010	0.014	0.001
Geraniol	0.010	0.010	0.001
3-Carene	0.010	<LOQ	<LOQ
α-Terpinene	0.010	<LOQ	<LOQ
cis-Nerolidol	0.010	<LOQ	<LOQ
Isopulegol	0.010	<LOQ	<LOQ
p-Cymene	0.010	<LOQ	<LOQ
trans-Nerolidol	0.010	<LOQ	<LOQ
Total		30.435	3.043

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 (<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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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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