

Certificate of Analysis

Company: Hidden Leaf Homestead	Sample ID: Melonhead Flower	Report Date: 1/17/2024
1317 Spring Hill Rd	Lot: Personal-2	Date Analyzed: 1/16/2024
South Londonderry, VT 05155	Matrix: Flower	Analyst: 011
Customer ID: 221028-2	Date Sampled: N/A	Report ID: C240108AT
Grower License #: SCLT0083	Date Received: 1/8/2024	

Cannabinoid Summary

Cannabinoid Profile	LOQ (mg/g)	Concentration (mg/g)	Weight (%)
CBDVA	0.0005	<LOQ	<LOQ
CBDV	0.0012	<LOQ	<LOQ
CBDA	0.0008	0.63	0.06
CBGA	0.0008	24.32	2.43
CBG	0.0019	1.87	0.19
CBD	0.0019	<LOQ	<LOQ
THCV	0.0021	<LOQ	<LOQ
CBN	0.0013	<LOQ	<LOQ
Δ9-THC	0.0020	16.61	1.66
Δ8-THC	0.0019	<LOQ	<LOQ
THC-A	0.0034	210.38	21.04
CBC	0.0024	<LOQ	<LOQ
Total THC		201.12	20.11
Total CBD		0.55	0.06
Total Cannabinoids		253.81	25.38

20.11%

Total THC

0.06%

Total CBD

25.38%

Total Cannabinoids

1.66%

Δ9-THC

11.39%

Percent Moisture

1 : 0

THC : CBD Ratio

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
 Ratio of Total CBD: Total THC Reagent Blanks: < LOQs for all analytes

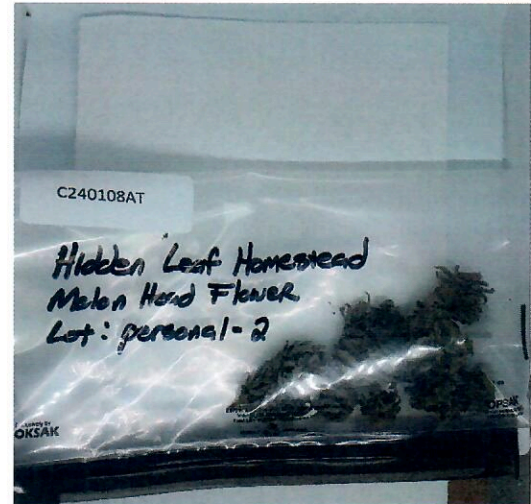
LOQ = The lowest quantity that this method can reliably detect. Any cannabinoid that was not detected is assumed to be less than the stated LOQ (<LOQ).

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 analysis is determined by loss-on-drying measurement using OHAUS Model MB90 Moisture Content Readers.



This report shall not be reproduced except in full without approval of the laboratory. This is to provide assurance that parts of a report are not taken out of context. Results apply to the samples as received.

Certified by: Luke E. M.
 Luke Emerson Mason (Laboratory Director, Bia Diagnostics)

Certificate of Analysis

Company: Hidden Leaf Homestead 1317 Spring Hill Rd South Londonderry, VT 05155	Sample ID: Melonhead Flower Lot: Personal-2 Matrix: Flower	Report Date: 1/17/2024 Date Analyzed: 1/12/2024 Analyst: 045 Report ID: C240108AT
Customer ID: 221028-2 Grower License #: SCLT0083	Date Sampled: N/A Date Received: 1/8/2024	

Terpenes Summary

Terpene	LOQ (mg/g)	Results (mg/g)	Weight (%)
α- Pinene	0.010	1.104	0.110
Camphene	0.010	0.220	0.022
β-Myrcene	0.010	2.833	0.283
b-Pinene	0.010	1.945	0.195
3-Carene	0.010	0.026	0.003
α-Terpinene	0.010	0.024	0.002
Limonene	0.010	6.411	0.641
ρ-Cymene	0.010	<LOQ	<LOQ
Ocimene	0.010	<LOQ	<LOQ
Eucalyptol	0.010	0.150	0.015
Y-Terpinene	0.010	0.025	0.003
Terpinolene	0.010	0.558	0.056
Linalool	0.010	2.160	0.216
Isopulegol	0.010	<LOQ	<LOQ
Geraniol	0.010	0.029	0.003
Caryophyllene	0.010	3.728	0.373
α-Humulene	0.010	1.326	0.133
Trans-Nerolidol	0.010	<LOQ	<LOQ
Cis-Nerolidol	0.010	<LOQ	<LOQ
Guaiol	0.010	0.356	0.036
Caryophyllene Oxide	0.010	0.111	0.011
α-Bisabolol	0.010	0.237	0.024
Total Terpenes		21.243	2.126

11.39%
Percent Moisture

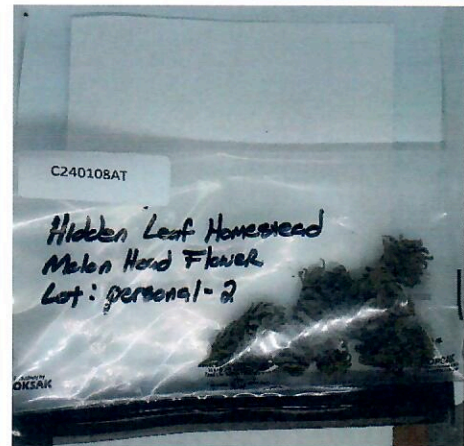
LOQ = The lowest quantity this method can reliably detect. Any terpene that was not detected is assumed to be less than the stated LOQ (<LOQ).

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

Reagent Blanks: < LOQs for all analytes

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