

SSH - HL1

 Sample ID: BIA241212S0018
 Strain: Super Silver Haze

 Matrix: Plant
 Type: Flower - Cured
 Sample Size: 9.5 g
 Lot#:

 Produced:
 Collected:
 Received: 12/13/2024
 Completed: 12/20/2024
 Batch#:

 Client
Knotted Root
 Lic. # SCLT0404
 294 Farm Rd.
 Arlington, VT 05250


Summary

Test	Date Tested	Result
Sample		Complete
Cannabinoids	12/18/2024	Complete
Moisture	12/13/2024	10.60% - Complete
Water Activity	12/13/2024	0.529 aw - Complete
Terpenes	12/17/2024	Complete
Microbials	12/16/2024	Complete

Cannabinoids

Completed

24.72% Total THC	0.08% Total CBD	30.77% Total Cannabinoids
----------------------------	---------------------------	-------------------------------------

Analyte	LOQ	Results	Results	Mass
	mg/g	%	mg/g	mg/serving
CBDVa	0.0005	<LOQ	<LOQ	
CBDV	0.0012	<LOQ	<LOQ	
CBDa	0.0008	0.09	0.9	
CBGa	0.0008	2.34	23.4	
CBG	0.0019	0.17	1.7	
CBD	0.0019	<LOQ	<LOQ	
THCV	0.0021	<LOQ	<LOQ	
CBN	0.0013	<LOQ	<LOQ	
Δ9-THC	0.0020	0.49	4.9	
Δ8-THC	0.0019	0.04	0.4	
Δ10-THC	0.0002	<LOQ	<LOQ	
CBC	0.0024	<LOQ	<LOQ	
THCa	0.0034	27.62	276.2	
Total THC		24.72	247.20	
Total CBD		0.08	0.82	
Total		30.77	307.68	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
 12/20/2024

 Confident LIMS
 All Rights Reserved
coa.support@confidentlims.com
 (866) 506-5866
www.confidentlims.com


SSH - HL1

Sample ID: BIA241212S0018
 Strain: Super Silver Haze

Matrix: Plant
 Type: Flower - Cured
 Sample Size: 9.5 g
 Lot#:

Produced:
 Collected:
 Received: 12/13/2024
 Completed: 12/20/2024
 Batch#:

Client
Knotted Root
 Lic. # SCLT0404
 294 Farm Rd.
 Arlington, VT 05250

Terpenes

Completed

Analyte	LOQ	Results	Results
	mg/g	mg/g	%
β-Myrcene	0.010	3.977	0.398
Ocimene	0.010	3.562	0.356
Limonene	0.010	3.299	0.330
β-Pinene	0.010	3.115	0.311
3-Carene	0.010	2.589	0.259
β-Caryophyllene	0.010	2.268	0.227
α-Pinene	0.010	1.870	0.187
α-Humulene	0.010	0.959	0.096
α-Terpinene	0.010	0.870	0.087
Linalool	0.010	0.705	0.070
γ-Terpinene	0.010	0.626	0.063
Eucalyptol	0.010	0.140	0.014
Camphene	0.010	0.037	0.004
α-Bisabolol	0.010	<LOQ	<LOQ
Caryophyllene Oxide	0.010	<LOQ	<LOQ
cis-Nerolidol	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
Terpinolene	0.010	<LOQ	<LOQ
trans-Nerolidol	0.010	<LOQ	<LOQ
Total		24.017	2.402

Primary Aromas

 Hops	 Earthy	 Orange	 Pine	 Eucalyptus
---	---	---	---	---

Analyst: 045

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
 12/20/2024

Confident LIMS
 All Rights Reserved
coa.support@confidentlims.com
 (866) 506-5866
www.confidentlims.com

