

Seshat #2

Sample ID: BIA241213S0025
 Strain: HL-SCLT0301-003-SSh001

Matrix: Plant
 Type: Flower - Cured
 Sample Size: 3 g
 Lot#:

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

Client
1791 Star Cannabis
 Lic. # Sclt0301
 P.o Box 156
 South Ryegate, VT 05069



Summary

Test	Date Tested	Result
Sample		Complete
Cannabinoids	12/18/2024	Complete
Moisture	12/16/2024	10.50% - Complete
Water Activity	12/16/2024	0.521 aw - Complete

Cannabinoids

Completed

24.54%		0.05%		29.40%	
Total THC		Total CBD		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	0.05	0.5		
CBGa	0.0008	1.36	13.6		
CBG	0.0019	0.05	0.5		
CBD	0.0019	<LOQ	<LOQ		
THCV	0.0021	<LOQ	<LOQ		
CBN	0.0013	<LOQ	<LOQ		
Δ9-THC	0.0020	0.32	3.2		
Δ8-THC	0.0019	<LOQ	<LOQ		
Δ10-THC	0.0002	<LOQ	<LOQ		
CBC	0.0024	<LOQ	<LOQ		
THCa	0.0034	27.62	276.2		
Total THC		24.54	245.39		
Total CBD		0.05	0.46		
Total		29.40	293.96	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

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