

Slurty #3

 Sample ID: BIA240813S0005
 Strain: TF-HL#1

 Produced:
 Collected:
 Received: 08/13/2024
 Completed: 08/22/2024
 Batch#:

 Client
Tumbleweed Sugar Co
 Lic. # SCLT0381
 75 Chad Lane
 Williston, VT 05495

 Matrix: Plant
 Type: Flower - Cured
 Sample Size: 6.02 g
 Lot#: TF-HL#1


Summary

Test	Date Tested	Result
Sample		Complete
Cannabinoids	08/14/2024	Complete
Moisture	08/13/2024	9.70% - Complete
Water Activity	08/13/2024	0.476 aw - Complete
Microbials	08/22/2024	Complete

Cannabinoids

Completed

21.03% Total THC	0.04% Total CBD	24.60% Total Cannabinoids
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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	0.49	4.9	
CBG	0.0019	0.08	0.8	
CBD	0.0019	<LOQ	<LOQ	
THCV	0.0021	<LOQ	<LOQ	
CBN	0.0013	<LOQ	<LOQ	
Δ9-THC	0.0020	0.38	3.8	
Δ8-THC	0.0019	<LOQ	<LOQ	
Δ10-THC	0.0002	0.06	0.6	
CBC	0.0024	<LOQ	<LOQ	
THCa	0.0034	23.55	235.5	
Total THC		21.03	210.33	
Total CBD		0.04	0.40	
Total		24.60	246.03	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:

$$\text{Total THC} = (\text{THCA} \times 0.877) + \Delta 9\text{-THC}$$

$$\text{Total CBD} = (\text{CBDA} \times 0.877) + \text{CBD Reagent}$$

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




 Luke Emerson-Mason
 Laboratory Director
 08/22/2024

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coa.support@confidentlims.com
 (866) 506-5866
www.confidentlims.com


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Pathogens

Completed

Pathogens	LOD CFU/g	Results 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 (<LOD).

Reagent Blanks: <LOD for all analytes




Luke Emerson-Mason
Laboratory Director
08/22/2024

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