Bia Diagnostics Laboratories

Bia Diagnostics
480 Hercules Drive Suite 101
Colchester, VT 05446

(802) 540-0148
https://www.biadiagnostics.com/
Lic#



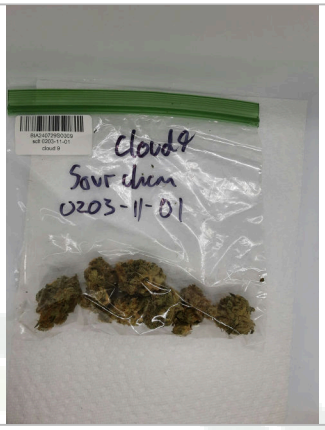
# sclt 0203-11-01

**Sample ID: BIA240729S0009**
Strain: sour chem

Matrix: Plant
Type: Flower - Cured
Sample Size: 6.23 g
Lot#:

Produced:
Collected:
Received: 07/29/2024
Completed: 08/02/2024
Batch#:

Client
**cloud 9**
Lic. # sclt0203
4082 Noyestar Rd
East Hardwick, VT 05836




## Summary

| Test | Date Tested | Result |
|---|---|---|
| Sample | | Complete |
| Cannabinoids | 07/30/2024 | Complete |
| Moisture | 07/30/2024 | 11.40% - Complete |
| Water Activity | 07/30/2024 | 0.571 aw - Complete |
| Terpenes | 07/31/2024 | Complete |
| Microbials | 08/01/2024 | Complete |

## Cannabinoids

Completed

| 28.21% Total THC | 0.06% Total CBD | 33.59% 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 | 0.07 | 0.7 | |
| CBGa | 0.0008 | 1.38 | 13.8 | |
| 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 | 0.87 | 8.7 | |
| Δ8-THC | 0.0019 | <LOQ | <LOQ | |
| Δ10-THC | 0.0002 | <LOQ | <LOQ | |
| CBC | 0.0024 | <LOQ | <LOQ | |
| THCa | 0.0034 | 31.17 | 311.7 | |
| **Total THC** | | **28.21** | **282.07** | |
| **Total CBD** | | **0.06** | **0.62** | |
| **Total** | | **33.59** | **335.90** | **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:
TotalTHC=(THCAx0.877)+Δ9-THC
Total CBD = (CBDA x 0.877) + 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
08/02/2024

# sclt 0203-11-01

**Sample ID: BIA240729S0009**
Strain: sour chem

Matrix: Plant
Type: Flower - Cured
Sample Size: 6.23 g
Lot#:

Produced:
Collected:
Received: 07/29/2024
Completed: 08/02/2024
Batch#:

Client
**cloud 9**
Lic. # sclt0203
4082 Noyestar Rd
East Hardwick, VT 05836

## Terpenes

Completed

| Analyte | LOQ | Results | Results |
|---|---|---|---|
| | mg/g | mg/g | % |
| β-Myrcene | 0.010 | 23.505 | 2.351 |
| α-Pinene | 0.010 | 7.382 | 0.738 |
| β-Pinene | 0.010 | 4.061 | 0.406 |
| β-Caryophyllene | 0.010 | 2.944 | 0.294 |
| Limonene | 0.010 | 2.828 | 0.283 |
| α-Humulene | 0.010 | 1.004 | 0.100 |
| Camphene | 0.010 | 0.097 | 0.010 |
| Terpinolene | 0.010 | 0.077 | 0.008 |
| α-Bisabolol | 0.010 | 0.042 | 0.004 |
| Linalool | 0.010 | 0.032 | 0.003 |
| γ-Terpinene | 0.010 | 0.022 | 0.002 |
| Caryophyllene Oxide | 0.010 | 0.015 | 0.002 |
| Eucalyptol | 0.010 | 0.014 | 0.001 |
| α-Terpinene | 0.010 | 0.013 | 0.001 |
| 3-Carene | 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 |
| Ocimene | 0.010 | <LOQ | <LOQ |
| p-Cymene | 0.010 | <LOQ | <LOQ |
| trans-Nerolidol | 0.010 | <LOQ | <LOQ |
| **Total** | | **42.037** | **4.204** |

## Primary Aromas

Hops | Pine | Cinnamon | Orange | Sweet

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

Luke Emerson-Mason
Laboratory Director
08/02/2024

# sclt 0203-11-01

**Sample ID: BIA240729S0009**
Strain: sour chem

Matrix: Plant
Type: Flower - Cured
Sample Size: 6.23 g
Lot#:

Produced:
Collected:
Received: 07/29/2024
Completed: 08/02/2024
Batch#:

Client
**cloud 9**
Lic. # sclt0203
4082 Noyestar Rd
East Hardwick, VT 05836

## Pathogens

Completed

| Pathogens | LOD | Results |
|---|---|---|
| | CFU/g | 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
08/02/2024