Bia Diagnostics
480 Hercules Drive Suite 101
Colchester, VT 05446

(802) 540-0148
https://www.biadiagnostics.com/
Lic# TLAB0029

QA Testing

1 of 3

0203-15-03

Sample ID: BIA250724S0006
Strain: golden goat

Matrix: Plant
Type: Flower - Cured
Sample Size: 8.14 g
Lot#:

Produced:
Collected:
Received: 07/24/2025
Completed: 08/04/2025
Batch#:

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

Summary

Test	Date Tested	Result
Sample		Complete
Cannabinoids	08/01/2025	Complete
Moisture	07/25/2025	11.30% - Complete
Water Activity	07/25/2025	0.565 aw - Complete
Terpenes	07/28/2025	Complete
Microbials	07/31/2025	Complete

Cannabinoids

Completed

26.60% Total THC	**0.07%** Total CBD	**31.82%** Total Cannabinoids

Analyte	LOQ mg/g	Results %	Results mg/g	Mass mg/serving	Analyte	LOQ mg/g	Results %	Results mg/g	Mass mg/serving
CBDVa	0.0003	<LOQ	<LOQ		CBCVa	0.0003	<LOQ	<LOQ	
CBDV	0.0003	<LOQ	<LOQ		CBNa	0.0003	0.06	0.6	
CBDa	0.0005	0.08	0.8		Δ9-THC	0.0005	0.45	4.5	
CBGa	0.0005	0.89	8.9		Δ8-THC	0.0003	0.06	0.6	
CBG	0.0005	<LOQ	<LOQ		Δ10-THC*	0.0002	<LOQ	<LOQ	
CBD	0.0005	<LOQ	<LOQ		CBL	0.0005	<LOQ	<LOQ	
THCV	0.0003	<LOQ	<LOQ		CBC	0.0003	<LOQ	<LOQ	
CBLV	0.0003	0.06	0.6		THCa	0.0005	29.83	298.3	
CBCV	0.0003	<LOQ	<LOQ		CBCa	0.0006	0.21	2.1	
THCVa	0.0003	0.19	1.9		CBLa	0.0005	<LOQ	<LOQ	
CBN	0.0005	<LOQ	<LOQ		**Total THC**		**26.60**	**266.04**	
					Total CBD		**0.07**	**0.73**	
					Total		**31.82**	**318.16**	**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 and water activity analysis is determined by dewpoint measurement using an AQUALAB water activity meter.
*The result is the sum of delta-10 isomers.
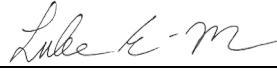
Luke E-m

Luke Emerson-Mason
Laboratory Director
08/04/2025

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Terpenes

Completed

Analyte	LOQ mg/g	Results mg/g	Results %
Terpinolene	0.010	5.201	0.520
α-Pinene	0.010	4.258	0.426
β-Pinene	0.010	3.719	0.372
β-Myrcene	0.010	3.652	0.365
Ocimene	0.010	2.764	0.276
Limonene	0.010	2.270	0.227
β-Caryophyllene	0.010	1.962	0.196
3-Carene	0.010	1.447	0.145
Linalool	0.010	0.989	0.099
α-Humulene	0.010	0.850	0.085
α-Terpinene	0.010	0.442	0.044
γ-Terpinene	0.010	0.407	0.041
Guaiol	0.010	0.157	0.016
Eucalyptol	0.010	0.135	0.013
cis-Nerolidol	0.010	0.075	0.007
Camphene	0.010	0.068	0.007
α-Bisabolol	0.010	0.037	0.004
Caryophyllene Oxide	0.010	0.015	0.002
Geraniol	0.010	<LOQ	<LOQ
Isopulegol	0.010	<LOQ	<LOQ
p-Cymene	0.010	<LOQ	<LOQ
trans-Nerolidol	0.010	<LOQ	<LOQ
Total		**28.447**	**2.845**

Primary Aromas

Turpentine	Pine	Hops	Earthy	Orange

Analyst: 052

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 E-M
Luke Emerson-Mason
Laboratory Director
08/04/2025

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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 E-M

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