

CERTIFICATE OF ANALYSIS
| HEMP QUALITY ASSURANCE TEST

Sample Name:

Golden Hemp D9 Infused Beer

Infused, Liquid Edible

Date Issued:

06/03/2023



(https://sclaboratories.s3.us-west-1.amazonaws.com/sample_photos/2306021)

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[Catalog View \(/smart-cbd-solutions-llc/\)](#)

Serving Size:

355 milliliters

Sample Details

Sample ID: 230602K012

Batch Number: Golden001

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Cultivator / Manufacturer

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Distributor / Tested For

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Cannabinoid Analysis – Summary

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Total THC: **10.3305 mg/unit**

Total CBD: **1.7750 mg/unit**

Sum of Cannabinoids: **12.2830 mg/unit**

Total Cannabinoids: **12.2830 mg/unit**

Density: 1.0138 g/mL

Total THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during the decarboxylation step:

Total THC = $\Delta^9\text{-THC} + (\text{THCa} (0.877))$

Total CBD = $\text{CBD} + (\text{CBDa} (0.877))$

Sum of Cannabinoids = $\Delta^9\text{-THC} + \text{THCa} + \text{CBD} + \text{CBDa} + \text{CBG} + \text{CBGa} + \text{THCV} + \text{THCVa} + \text{CBC} + \text{CBCa} + \text{CBDV} + \text{CBDVa} + \Delta^8\text{-THC} + \text{CBL} + \text{CBN}$

Total Cannabinoids = $(\Delta^9\text{-THC} + 0.877 * \text{THCa}) + (\text{CBD} + 0.877 * \text{CBDa}) + (\text{CBG} + 0.877 * \text{CBGa}) + (\text{THCV} + 0.877 * \text{THCVa}) + (\text{CBC} + 0.877 * \text{CBCa}) + (\text{CBDV} + 0.877 * \text{CBDVa}) + \Delta^8\text{-THC} + \text{CBL} + \text{CBN}$

Why are Sum of Cannabinoids and Total Cannabinoids calculated separately? ▼

Safety Analysis – Summary

[View Full Results](#) Δ^9 -THC per Unit: **Pass**

View Complete Test Results:

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Tested by high-performance liquid chromatography with diode-array detection (HPLC-DAD).

Method: QSP 1157 – Analysis of Cannabinoids by HPLC-DAD

Summary

Total THC:

10.3305 mg/unit $(\Delta^9\text{-THC} + 0.877 * \text{THCa})$

Total CBD:

1.7750 mg/unit $(\text{CBD} + 0.877 * \text{CBDa})$

Total Cannabinoids: ?

12.2830 mg/unit

Total CBG: 0.1775 mg/unit

 $(\text{CBG} + 0.877 * \text{CBGa})$

Total THCV: <LOQ

 $(\text{THCV} + 0.877 * \text{THCVa})$

Total CBC: <LOQ

 $(\text{CBC} + 0.877 * \text{CBCa})$

Total CBDV: ND

Total CBDV (CBDV+0.877*CBDVa)

Learn more

The cannabis plant contains dozens of active compounds called cannabinoids (<https://www.sclabs.com/cannabinoids/>). These compounds are the primary contributors to the psychoactive effects of cannabis.

Cannabinoid testing (<https://www.sclabs.com/cannabis/>), determines the potency of a sample to aid in dosage considerations.

Cannabinoid Test Results | 06/03/2023

Result Views

Table

Pie Chart

Filter by:

Swipe left on table to see additional columns

Compound	LOD/LOQ (mg/mL) ?	Measurement Uncertainty (mg/mL) ?	Result (mg/mL)	Result (%)
Δ9 Tetrahydrocannabinol (Δ9THC)	0.0001 / 0.0005	±0.00160	0.0291	0.0021
Cannabidiol (CBD)	0.0001 / 0.0004	±0.00019	0.0050	0.0004
Cannabigerol (CBG)	0.0001 / 0.0002	±0.00002	0.0005	0.0001
Tetrahydrocannabivarin (THCV)	0.0001 / 0.0005	N/A	<LOQ	<LOQ
SUM OF CANNABINOIDS			0.0346 mg/mL	0.0034

Compound	LOD/LOQ (mg/mL) ?	Measurement Uncertainty (mg/mL) ?	Result (mg/mL)	Resu (%)
Cannabichromene (CBC)	0.0001 / 0.0004	N/A	<LOQ	<LOC
$\Delta 8$ Tetrahydrocannabinol ($\Delta 8$ THC)	0.0003 / 0.0008	N/A	ND	ND
Tetrahydrocannabinolic Acid (THCa)	0.0001 / 0.0002	N/A	ND	ND
Tetrahydrocannabivarinic Acid (THCVa)	0.0001 / 0.0007	N/A	ND	ND
Cannabidiolic Acid (CBDa)	0.0001 / 0.0010	N/A	ND	ND
Cannabidivarin (CBDV)	0.0001 / 0.0005	N/A	ND	ND
Cannabidivarinic Acid (CBDVa)	0.0001 / 0.0007	N/A	ND	ND
Cannabigerolic Acid (CBGa)	0.0001 / 0.0003	N/A	ND	ND
Cannabicyclol (CBL)	0.0001 / 0.0004	N/A	ND	ND
Cannabinol (CBN)	0.0001 / 0.0003	N/A	ND	ND
Cannabichromenic Acid (CBCa)	0.0001 / 0.0006	N/A	ND	ND
SUM OF CANNABINOIDS			0.0346 mg/mL	0.0034

Unit Mass: 355 MILLILITERS / Serving Size: 355 MILLILITERS

Swipe left on table to see additional columns

Δ^9-THC per Unit	110 per-package limit	10.3305 mg/unit	Pass
Δ^9-THC per Serving		10.3305 mg/serving	
Total THC per Unit		10.3305 mg/unit	
Total THC Per Serving		10.3305 mg/serving	
CBD per Unit		1.7750 mg/unit	
CBD per Serving		1.7750 mg/serving	
Total CBD per Unit		1.7750 mg/unit	
Total CBD per Serving		1.7750 mg/serving	
Sum of Cannabinoids per Unit		12.2830 mg/unit	
Sum of Cannabinoids per Serving		12.2830 mg/serving	
Total Cannabinoids per Unit		12.2830 mg/unit	
Total Cannabinoids per Serving		12.2830 mg/serving	

Density Test Result

1.0138 g/mL

Tested 06/03/2023

Method: QSP 7870 - Sample Preparation

COA ID: 230602K012-001

For quality assurance purposes. Not a Regulatory Hemp Lab Test Report. These results relate only to the sample included on this report. This report shall not be reproduced, except in full, without written approval of the laboratory.

Sample Certification: California Code of Regulations Title 4 Division 19. Department of Cannabis Control Business and Professions Code. Reference: Sections 26100, 26104 and 26110, Business and Professions Code.

Decision Rule: Statements of conformity (e.g. Pass/Fail) to specifications are made in this report without taking measurement uncertainty into account. Where statements of conformity are made in this report, the following decision rules are applied: PASS - Results within limits/specifications, FAIL - Results exceed limits/specifications.

References: limit of detection (LOD), limit of quantification (LOQ), not detected (ND), not tested (NT)

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