

## **Hemp Quality Assurance Testing**

### **CERTIFICATE OF ANALYSIS**

**DATE ISSUED 11/09/2024** 

SAMPLE NAME: Day-Time Gummie - 10mg CBD + 10 CBG

Infused, Solid Edible

**CULTIVATOR / MANUFACTURER** 

Business Name: License Number:

Address:

SAMPLE DETAIL

**Batch Number:** Lot 901106004 **Sample ID:** 241106P016

**DISTRIBUTOR / TESTED FOR** 

Business Name: Grasse River Hemp

License Number:

Address:

Date Collected: 11/06/2024 Date Received: 11/06/2024

Batch Size:

Sample Size: 1.0 units

Unit Mass: 2.7581 grams per Unit

Serving Size:







Scan QR code to verify authenticity of results.

### **CANNABINOID ANALYSIS - SUMMARY**

Total THC: 0.469 mg/unit

Total CBD: 11.716 mg/unit

Sum of Cannabinoids: 25.573 mg/unit

Total Cannabinoids: 25.573 mg/unit

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 =  $\Delta^9$ -THC + (THCa (0.877)) Total CBD = CBD + (CBDa (0.877))

$$\label{eq:SumofCannabinoids} \begin{split} & = \Delta^9\text{-THC} + \text{THCa} + \text{CBD} + \text{CBDa} + \text{CBG} + \text{CBGa} + \\ & \text{THCV} + \text{THCVa} + \text{CBC} + \text{CBCa} + \text{CBDV} + \text{CBDVa} + \Delta^8\text{-THC} + \text{CBL} + \text{CBN} \\ & \text{Total Cannabinoids} = (\Delta^9\text{-THC} + 0.877*\text{THCa}) + (\text{CBD} + 0.877*\text{CBDa}) + (\text{CBG} + 0.877*\text{CBGa}) + (\text{THCV} + 0.877*\text{THCVa}) + (\text{CBC} + 0.877*\text{CBCa}) + (\text{CBC} + 0$$

(CBDV+0.877\*CBDVa) +  $\Delta$ <sup>8</sup>-THC + CBL + CBN

**SAFETY ANALYSIS - SUMMARY** 

 $\Delta^9$ -THC per Unit: **PASS** 

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.

LOC verified by: Maria Garcia Job Title: Senior Laboratory Analyst Date: 11/09/2024 Approved by: Josh Wurzer
Job Title: Chief Compliance Officer
Date: 11/09/2024

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



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# Cannabinoid Analysis

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

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

TOTAL THC: **0.469 mg/unit** Total THC (Δ<sup>9</sup>-THC+0.877\*THCa)

TOTAL CBD: 11.716 mg/unit

Total CBD (CBD+0.877\*CBDa)

TOTAL CANNABINOIDS: 25.573 mg/unit

 $\begin{array}{l} Total \ Cannabinoids \ (Total \ THC) + (Total \ CBD) + \\ (Total \ CBG) + (Total \ THCV) + (Total \ CBC) + \\ (Total \ CBDV) + \Delta^8 - THC + CBL + CBN \end{array}$ 

TOTAL CBG: 12.869 mg/unit

Total CBG (CBG+0.877\*CBGa)

TOTAL THCV: ND

Total THCV (THCV+0.877\*THCVa)

TOTAL CBC: 0.367 mg/unit

Total CBC (CBC+0.877\*CBCa)

TOTAL CBDV: 0.119 mg/unit
Total CBDV (CBDV+0.877\*CBDVa)

### **CANNABINOID TEST RESULTS - 11/09/2024**

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
CBG	0.002 / 0.006	±0.2263	4.666	0.4666
CBD	0.004 / 0.011	±0.1585	4.248	0.4248
Δ <sup>9</sup> -THC	0.002 / 0.014	±0.0093	0.170	0.0170
СВС	0.003 / 0.010	±0.0043	0.133	0.0133
CBDV	0.002 / 0.012	±0.0018	0.043	0.0043
CBN	0.001 / 0.007	±0.0003	0.012	0.0012
Δ <sup>8</sup> -THC	0.01 / 0.02	N/A	ND	ND
THCa	0.001 / 0.005	N/A	ND	ND
THCV	0.002 / 0.012	N/A	ND	ND
THCVa	0.002 / 0.019	N/A	ND	ND
CBDa	0.001 / 0.026	N/A	ND	ND
CBDVa	0.001 / 0.018	N/A	ND	ND
CBGa	0.002 / 0.007	N/A	ND	ND
CBL	0.003 / 0.010	N/A	ND	ND
CBCa	0.001 / 0.015	N/A	ND	ND
SUM OF CANNABINOIDS			9.272 mg/g	0.9272%

### Unit Mass: 2.7581 grams per Unit

$\Delta^9$ -THC per Unit	110 per-package limit	0.469 mg/unit PASS
Total THC per Unit		0.469 mg/unit
CBD per Unit		11.716 mg/unit
Total CBD per Unit		11.716 mg/unit
Sum of Cannabinoids per Unit		25.573 mg/unit
Total Cannabinoids per Unit		25.573 mg/unit