

Hemp Quality Assurance Testing CERTIFICATE OF ANALYSIS

DATE ISSUED 05/28/2025

SAMPLE DETAILS

SAMPLE NAME: Gorilla Glue #4

Flower, Inhalable

CULTIVATOR / MANUFACTURER

Business Name: License Number:

Address:

SAMPLE DETAIL

Batch Number:

Sample ID: 250325K016

DISTRIBUTOR / TESTED FOR

Business Name: Arete License Number:

Address:

Date Collected: 03/25/2025 **Date Received:** 03/25/2025

Batch Size: Sample Size: Unit Mass:

Serving Size: 1.5 grams per Serving

Scan QR code to verify authenticity of results.

CANNABINOID ANALYSIS - SUMMARY

Total THC: 21.696%

Total CBD: <LOQ

Sum of Cannabinoids: 25.63%

Total Cannabinoids: 22.48%

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 = Δ^9 -THC + (THCa (0.877)) Total CBD = CBD + (CBDa (0.877))

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

 $(CBDV+0.877*CBDVa) + \Delta^{8}-THC + CBL + CBN$

CALCULATED USING DRY-WEIGHT

Moisture: 79.3%

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.

 $\begin{tabular}{ll} \textbf{References:} & limit of detection (LOD), limit of quantification (LOQ), not detected (ND), not tested (NT), $\mu g/g = ppm, $\mu g/kg = ppb$ \end{tabular}$

Approved by: Josh Wurzer
Job Title: Chief Compliance Officer
Date: 05/28/2025

Amendment to Certificate of Analysis 250325K016-003



DATE ISSUED 05/28/2025





Cannabinoid Analysis

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

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

TOTAL THC: 21.696% Total THC (Δ^9 -THC+0.877*THCa)

TOTAL CBD: <LOQ
Total CBD (CBD+0.877*CBDa)

TOTAL CANNABINOIDS: 22.48%

$$\label{eq:total_constraint} \begin{split} & Total \ Cannabinoids \ (Total \ THC) + (Total \ CBD) + (Total \ CBC) + (Total \ CBC) + (Total \ CBDV) + \Delta^8 - THC + CBL + CBN \end{split}$$

TOTAL CBG: 0.68% Total CBG (CBG+0.877*CBGa)

TOTAL THCV: 0.106%

Total THCV (THCV+0.877*THCVa)

TOTAL CBC: <LOQ
Total CBC (CBC+0.877*CBCa)

TOTAL CBDV: ND

Total CBDV (CBDV+0.877*CBDVa)

CANNABINOID TEST RESULTS - 03/28/2025

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
THCa	0.04 / 0.24	±7.941	247.39	24.739
CBGa	0.1/0.4	±0.41	7.7	0.77
THCVa	0.05 / 0.17	±0.028	1.21	0.121
Δ ⁹ -THC	0.1/0.4	N/A	<loq< th=""><th><loq< th=""></loq<></th></loq<>	<loq< th=""></loq<>
CBDa	0.06 / 0.22	N/A	<loq< th=""><th><loq< th=""></loq<></th></loq<>	<loq< th=""></loq<>
CBCa	0.1/0.4	N/A	<loq< th=""><th><loq< th=""></loq<></th></loq<>	<loq< th=""></loq<>
Δ ⁸ -THC	0.05 / 0.50	N/A	ND	ND
THCV	0.07 / 0.21	N/A	ND	ND
CBD	0.1/0.3	N/A	ND	ND
CBDV	0.1/0.3	N/A	ND	ND
CBDVa	0.02 / 0.22	N/A	ND	ND
CBG	0.2 / 0.5	N/A	ND	ND
CBL	0.1/0.4	N/A	ND	ND
CBN	0.07 / 0.20	N/A	ND	ND
СВС	0.1/0.2	N/A	ND	ND
SUM OF CANNABINOIDS			256.3 mg/g	25.63%

Serving Size: 1.5 grams per Serving

Δ^9 -THC per Serving		<loq< th=""></loq<>
Total THC per Serving	32	25.44 mg/serving
CBD per Serving		ND
Total CBD per Serving		<loq< td=""></loq<>
Sum of Cannabinoids per Serving	3	884.5 mg/serving
Total Cannabinoids per Serving	3	337.2 mg/serving

MOISTURE TEST RESULT

79.3%

Tested 04/01/2025

Method: QSP 1224 - Loss on Drying (Moisture)

NOTES

Reason for Amendment: Order Detail Information Change Sample serving mass provided by client.