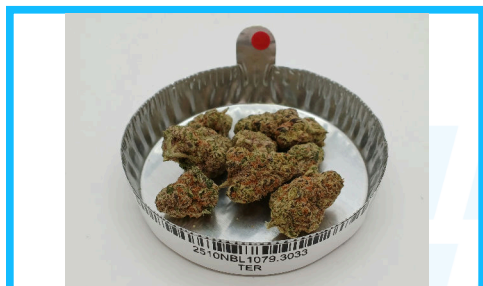


# Grape Gas

Sample ID: 2510NBL1079.3033  
Matrix: Plant  
Type: Flower - Cured  
Sample Size:

Received: 10/23/2025  
Completed: 10/27/2025  
Expires: 10/27/2026  
External Lot ID:  
Batch#:

Client  
**Arete Hemp**



## Terpenes

Complete

Analyte	LOD	LOQ	Result	Result	
	PPM	PPM	mg/g	%	
β-Myrcene	0.9000	3.0000	11.26	1.126	<div style="width: 100%;"></div>
β-Caryophyllene	0.9000	3.0000	8.77	0.877	<div style="width: 90%;"></div>
Linalool	0.9000	3.0000	6.46	0.646	<div style="width: 80%;"></div>
Ocimene	0.9000	3.0000	2.90	0.290	<div style="width: 40%;"></div>
α-Humulene	0.9000	3.0000	2.33	0.233	<div style="width: 30%;"></div>
Limonene	0.9000	3.0000	1.24	0.124	<div style="width: 15%;"></div>
Caryophyllene Oxide	0.9000	3.0000	0.57	0.057	<div style="width: 5%;"></div>
α-Bisabolol	0.9000	3.0000	0.40	0.040	<div style="width: 3%;"></div>
α-Pinene	0.9000	3.0000	0.15	0.015	<div style="width: 1%;"></div>
1,8-Cineole	0.9000	3.0000	0.12	0.012	<div style="width: 1%;"></div>
Borneol	0.9000	3.0000	0.07	0.007	<div style="width: 0.5%;"></div>
Camphene	0.9000	3.0000	0.05	0.005	<div style="width: 0.5%;"></div>
Terpinolene	0.9000	3.0000	0.04	0.004	<div style="width: 0.5%;"></div>
Fenchone	0.9000	3.0000	0.03	0.003	<div style="width: 0.5%;"></div>
α-Terpinene	0.9000	3.0000	0.02	0.002	<div style="width: 0.5%;"></div>
γ-Terpinene	0.9000	3.0000	0.02	0.002	<div style="width: 0.5%;"></div>
Citral	0.9000	3.0000	0.02	0.002	<div style="width: 0.5%;"></div>
3-Carene	0.9000	3.0000	ND	ND	
Menthol	0.9000	3.0000	ND	ND	
Nerolidol	0.9000	3.0000	ND	ND	
(+)-Dihydrocarveol	0.9000	3.0000	ND	ND	
Pulegone	0.9000	3.0000	ND	ND	
<b>Total</b>			<b>34.45</b>	<b>3.445</b>	

## Primary Aromas



Hops



Cinnamon



Lavender



Earthy



Orange

Date Tested: 10/24/2025

Total terpenes value is qualitative and includes concentrations outside the assay quantitative analytical range. Testing Method: HS-GC/MS, CON-P-4000



*Ashley N Phillips*

Ashley Phillips  
Laboratory Director  
10/27/2025

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**SAMPLE DETAILS**

**SAMPLE NAME:** Grape Gas  
 Flower, Inhalable

**CULTIVATOR / MANUFACTURER**  
**Business Name:**  
**License Number:**  
**Address:**

**DISTRIBUTOR / TESTED FOR**  
**Business Name:** Arete  
**License Number:**  
**Address:**

**SAMPLE DETAIL**

**Batch Number:**  
**Sample ID:** 250807L062

**Date Collected:** 08/07/2025  
**Date Received:** 08/07/2025  
**Batch Size:**  
**Sample Size:**  
**Unit Mass:**  
**Serving Size:**



Scan QR code to verify authenticity of results.

**CANNABINOID ANALYSIS - SUMMARY**

**Total THC:** 25.29%

**Total CBD:** 0.066%

**Sum of Cannabinoids:** 30.15%

**Total Cannabinoids:** 26.48%

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

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),  $\mu\text{g/g}$  = ppm,  $\mu\text{g/kg}$  = ppb

  
 Approved by: Josh Wurzer  
 Job Title: Chief Compliance Officer  
 Date: 08/28/2025

Amendment to Certificate of Analysis 250807L062-001




## 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: 25.29%**

Total THC ( $\Delta^9$ -THC+0.877\*THCa)

**TOTAL CBD: 0.066%**

Total CBD (CBD+0.877\*CBDa)

**TOTAL CANNABINOIDS: 26.48%**

Total Cannabinoids (Total THC) + (Total CBD) + (Total CBG) + (Total THCV) + (Total CBC) + (Total CBDV) +  $\Delta^8$ -THC + CBL + CBN

**TOTAL CBG: 0.77%**

Total CBG (CBG+0.877\*CBGa)

**TOTAL THCV: 0.132%**

Total THCV (THCV+0.877\*THCVa)

**TOTAL CBC: 0.22%**

Total CBC (CBC+0.877\*CBCa)

**TOTAL CBDV: ND**

Total CBDV (CBDV+0.877\*CBDVa)

**CANNABINOID TEST RESULTS - 08/10/2025**

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
THCa	0.04 / 0.24	±9.156	285.22	28.522
CBGa	0.1 / 0.4	±0.43	8.0	0.80
$\Delta^9$ -THC	0.1 / 0.4	±0.09	2.8	0.28
CBCa	0.1 / 0.4	±0.17	2.5	0.25
THCVa	0.05 / 0.17	±0.035	1.51	0.151
CBDa	0.06 / 0.22	±0.025	0.75	0.075
CBG	0.2 / 0.5	±0.05	0.7	0.07
$\Delta^8$ -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
CBL	0.1 / 0.4	N/A	ND	ND
CBN	0.07 / 0.20	N/A	ND	ND
CBC	0.1 / 0.2	N/A	ND	ND
<b>SUM OF CANNABINOIDS</b>			<b>301.5 mg/g</b>	<b>30.15%</b>

**NOTES**

Reason for Amendment: Order Detail Information Change