

## SAMPLE DETAILS

## SAMPLE NAME: Northern Lights #5

Flower, Inhalable

## CULTIVATOR / MANUFACTURER

Business Name:

License Number:

Address:

## DISTRIBUTOR / TESTED FOR

Business Name: Arete

License Number:

Address:

## SAMPLE DETAIL

Batch Number: A2

Sample ID: 241101L036

Date Collected: 11/01/2024

Date Received: 11/01/2024

Batch Size:

Sample Size:

Unit Mass:

Serving Size: 3 grams per Serving

Scan QR code to verify  
authenticity of results.

## CANNABINOID ANALYSIS - SUMMARY

CALCULATED USING DRY-WEIGHT

Total THC: 27.71%

Total CBD: &lt;LOQ

Sum of Cannabinoids: 32.75%

Total Cannabinoids: 28.75%

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 + CBNTotal 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

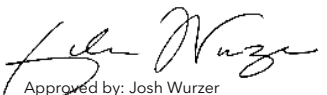
Moisture: 76.9%

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)



Approved by: Josh Wurzer  
Job Title: Chief Compliance Officer  
Date: 11/14/2024

Amendment to Certificate of Analysis 241101L036-002




## 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: 27.71%**

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

**TOTAL CBD: <LOQ**

Total CBD (CBD+0.877\*CBDa)

**TOTAL CANNABINOIDS: 28.75%**

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

**TOTAL CBG: 0.57%**

Total CBG (CBG+0.877\*CBGa)

**TOTAL THCV: 0.091%**

Total THCV (THCV+0.877\*THCVa)

**TOTAL CBC: 0.38%**

Total CBC (CBC+0.877\*CBCa)

**TOTAL CBDV: ND**

Total CBDV (CBDV+0.877\*CBDVa)

### CANNABINOID TEST RESULTS - 11/04/2024

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
THCa	0.04 / 0.24	±10.048	313.03	31.303
CBGa	0.1 / 0.4	±0.35	6.5	0.65
CBCa	0.1 / 0.4	±0.29	4.3	0.43
$\Delta^9$ -THC	0.1 / 0.4	±0.08	2.6	0.26
THCVa	0.05 / 0.17	±0.024	1.04	0.104
CBDa	0.06 / 0.22	N/A	<LOQ	<LOQ
$\Delta^8$ -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
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
CBC	0.1 / 0.2	N/A	ND	ND
<b>SUM OF CANNABINOIDS</b>			<b>327.5 mg/g</b>	<b>32.75%</b>

### Serving Size: 3 grams per Serving

$\Delta^9$ -THC per Serving	7.8 mg/serving
Total THC per Serving	831.3 mg/serving
CBD per Serving	ND
Total CBD per Serving	<LOQ
Sum of Cannabinoids per Serving	982.5 mg/serving
Total Cannabinoids per Serving	862.5 mg/serving

### MOISTURE TEST RESULT

<b>76.9%</b>
Tested 11/06/2024
<b>Method:</b> QSP 1224 - Loss on Drying (Moisture)

### NOTES

Reason for Amendment: Order Detail Information Change - Sample Name