

**SAMPLE NAME: Northern Lights #5**

Concentrate, Product Inhalable

**CULTIVATOR / MANUFACTURER****Business Name:****License Number:****Address:****DISTRIBUTOR / TESTED FOR****Business Name:** Arete**License Number:****Address:****SAMPLE DETAIL****Batch Number:****Sample ID:** 240906L037**Date Collected:** 09/06/2024**Date Received:** 09/06/2024**Batch Size:****Sample Size:****Unit Mass:****Serving Size:**Scan QR code to verify  
authenticity of results.**CANNABINOID ANALYSIS - SUMMARY****Total THC: 73.857%****Total CBD: 0.135%****Sum of Cannabinoids: 88.12%****Total Cannabinoids: 77.31%**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

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: 11/06/2024

Amendment to Certificate of Analysis 240906L037-003




## Cannabinoïd Analysis

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

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

**TOTAL THC: 73.857%**

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

**TOTAL CBD: 0.135%**

Total CBD (CBD+0.877\*CBDa)

**TOTAL CANNABINOIDS: 77.31%**

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

**TOTAL CBG: 2.17%**

Total CBG (CBG+0.877\*CBGa)

**TOTAL THCV: 0.51%**

Total THCV (THCV+0.877\*THCVa)

**TOTAL CBC: 0.645%**

Total CBC (CBC+0.877\*CBCa)

**TOTAL CBDV: ND**

Total CBDV (CBDV+0.877\*CBDVa)

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

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
THCa	0.05 / 0.14	±16.843	842.16	84.216
CBGa	0.1 / 0.2	±0.86	21.3	2.13
CBCa	0.07 / 0.28	±0.280	7.35	0.735
THCVa	0.07 / 0.20	±0.216	5.81	0.581
CBG	0.06 / 0.19	±0.092	2.99	0.299
CBDa	0.02 / 0.19	±0.035	1.54	0.154
$\Delta^9$ -THC	0.06 / 0.26	N/A	ND	ND
$\Delta^8$ -THC	0.1 / 0.4	N/A	ND	ND
THCV	0.1 / 0.2	N/A	ND	ND
CBD	0.07 / 0.29	N/A	ND	ND
CBDV	0.04 / 0.15	N/A	ND	ND
CBDVa	0.03 / 0.53	N/A	ND	ND
CBL	0.06 / 0.24	N/A	ND	ND
CBN	0.1 / 0.3	N/A	ND	ND
CBC	0.2 / 0.5	N/A	ND	ND
<b>SUM OF CANNABINOIDS</b>			<b>881.2 mg/g</b>	<b>88.12%</b>

**NOTES**

Reason for Amendment: Order Detail Information Change