

Arete

Sample: 01-06-2023-28749

Sample Received: 01/06/2023;

Report Created: 01/15/2023; Expires: 01/09/2024

Northern Lights #5
Plant, Flower - Cured



19.777%

Total THC

0.273%

Δ-9 THC

23.082%

Total Cannabinoids

<LOQ %

Total CBD

Cannabinoids

Complete

(Testing Method: HPLC, CON-P-3000)

Date Tested: 01/06/2023

Analyte	LOD	LOQ	Mass	Mass	
	%	%	%	mg/g	
Δ-8-Tetrahydrocannabinol (Δ-8 THC)	0.0457	0.0685	ND	ND	
Δ-9-Tetrahydrocannabinol (Δ-9 THC)	0.0457	0.0685	0.273	2.731	
Δ-9-Tetrahydrocannabinolic Acid (THCA-A)	0.0457	0.0685	22.239	222.393	
Δ-9-Tetrahydrocannabinophorol (Δ-9-THCP)	0.0457	0.0685	ND	ND	
Δ-9-Tetrahydrocannabivarin (Δ-9-THCV)	0.0457	0.0685	ND	ND	
Δ-9-Tetrahydrocannabivarinic Acid (Δ-9-THCVA)	0.0457	0.0685	<LOQ	<LOQ	
R-Δ-10-Tetrahydrocannabinol (R-Δ-10-THC)	0.0457	0.0685	ND	ND	
S-Δ-10-Tetrahydrocannabinol (S-Δ-10-THC)	0.0457	0.0685	ND	ND	
9R-Hexahydrocannabinol (9R-HHC)	0.0457	0.0685	ND	ND	
9S-Hexahydrocannabinol (9S-HHC)	0.0457	0.0685	ND	ND	
Tetrahydrocannabinol Acetate (THCO)	0.0457	0.0685	ND	ND	
Cannabidivarin (CBDV)	0.0457	0.0685	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.0457	0.0685	ND	ND	
Cannabidiol (CBD)	0.0457	0.0685	ND	ND	
Cannabidiolic Acid (CBDA)	0.0457	0.0685	<LOQ	<LOQ	
Cannabigerol (CBG)	0.0457	0.0685	<LOQ	<LOQ	
Cannabigerolic Acid (CBGA)	0.0457	0.0685	0.394	3.945	
Cannabinol (CBN)	0.0457	0.0685	ND	ND	
Cannabinolic Acid (CBNA)	0.0457	0.0685	<LOQ	<LOQ	
Cannabichromene (CBC)	0.0457	0.0685	ND	ND	
Cannabichromenic Acid (CBCA)	0.0457	0.0685	0.175	1.753	
Total			23.082	230.822	

Total THC = THCa * 0.877 + Δ9-THC; Total CBD = CBDa * 0.877 + CBD; LOQ = Limit of Quantitation; ND = Not Detected.

Total THC Measurement of Uncertainty: ± 0.040%

Total CBD Measurement of Uncertainty: ± 2.000%

THCO potency analysis does not designate quantitative specificity of Δ-8-THCO and Δ-9-THCO isomers

Amended report issued to reflect change in sample identification



New Bloom Labs
16121 Heritage Park Drive, A500
Chattanooga, TN 37416
(844) 837-8223
TN DEA#: RN0563975
AT-2868: ISO/IEC 17025:2017

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Laboratory Director

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Arete

Sample: 01-12-2023-28991

Sample Received: 01/12/2023;

Report Created: 01/27/2023; Expires: 01/13/2024

Northern Lights #5
Plant, Flower - Cured



Terpenes

(Testing Method: HS-GC/MS, CON-P-4000)

Date Tested: 01/12/2023

Analyte	LOD	LOQ	Mass	Mass	
	PPM	PPM	PPM	mg/g	
α-Bisabolol	0.750	3.000	1854.574	1.855	
α-Humulene	0.750	3.000	3110.541	3.111	
α-Pinene	0.750	3.000	357.300	0.357	
α-Terpinene	0.750	3.000	<LOQ	<LOQ	
1,8-Cineole	0.750	3.000	27.242	0.027	
β-Caryophyllene	0.750	3.000	9968.566	9.969	
β-Myrcene	0.750	3.000	2513.162	2.513	
Borneol	0.750	3.000	118.146	0.118	
Camphene	0.750	3.000	112.468	0.112	
Carene	0.750	3.000	ND	ND	
Caryophyllene Oxide	3.000	3.000	>3.000	>0.003	
Citral	0.750	3.000	ND	ND	
Dihydrocarveol	0.750	3.000	ND	ND	
Fenchone	0.750	3.000	48.064	0.048	
γ-Terpinene	0.750	3.000	<LOQ	<LOQ	
Limonene	0.750	3.000	2203.654	2.204	
Linalool	0.750	3.000	800.180	0.800	
Menthol	0.750	3.000	ND	ND	
Nerolidol	0.750	3.000	ND	ND	
Ocimene	0.750	3.000	ND	ND	
Pulegone	0.750	3.000	ND	ND	
Terpinolene	0.750	3.000	128.657	0.129	
Total			21630.281	21.630	2.163 %

Primary Aromas

Cinnamon



Hops



Clove



Lime



Floral



Total terpenes value is qualitative and includes concentrations outside the assay quantitative analytical range. Amended report issued to reflect change in sample identification.



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