

Arete

Sample: 08-18-2021-11465

Sample Received: 08/18/2021;

Report Created: 08/25/2021; Expires: 08/20/2022

AK-47 Indoor
Plant Flower - Cured



0.726%

Total THC

ND%

Δ-9 THC

26.747 %

Total Cannabinoids

20.816 %

Total CBD

Cannabinoids

Complete

(Testing Method: HPLC, CON-P-3000.07)

Analyst: Natalie Siracusa; Date Tested: 08/18/2021

Analyte	LOD	LOQ	Mass	Mass	
	%	%	%	mg/g	
Δ-9 Tetrahydrocannabinol (Δ-9 THC)	0.0476	0.0714	ND	ND	
Δ-9-Tetrahydrocannabinolic Acid (THCA-A)	0.0476	0.0714	0.828	8.276	
R-Δ-10 Tetrahydrocannabinol (R-Δ-10-THC)	0.0476	0.0714	ND	ND	
S-Δ-10 Tetrahydrocannabinol (S-Δ-10-THC)	0.0476	0.0714	ND	ND	
Δ-8 Tetrahydrocannabinol (Δ-8 THC)	0.0476	0.0714	ND	ND	
Δ-9-Tetrahydrocannabivarin (THCV)	0.0476	0.0714	ND	ND	
Cannabidiavarin (CBDV)	0.0476	0.0714	ND	ND	
Cannabidiavarinic Acid (CBDVA)	0.0476	0.0714	0.089	0.886	
Cannabidiol (CBD)	0.0476	0.0714	0.614	6.143	
Cannabidiolic Acid (CBDA)	0.0476	0.0714	23.035	230.352	
Cannabigerol (CBG)	0.0476	0.0714	0.113	1.133	
Cannabigerolic Acid (CBGA)	0.0476	0.0714	0.628	6.276	
Cannabinol (CBN)	0.0476	0.0714	ND	ND	
Cannabinolic Acid (CBNA)	0.0476	0.0714	ND	ND	
Cannabichromene (CBC)	0.0476	0.0714	<LOQ	<LOQ	
Cannabichromenic Acid (CBCA)	0.0476	0.0714	1.440	14.400	
Total			26.747	267.466	

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: ± 0.03%

Amended report issued to reflect change in sample identification



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Natalie Siracusa

Natalie Siracusa
Laboratory Director

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Arete

Sample: 09-03-2021-12143

Sample Received: 09/03/2021;

Report Created: 09/08/2021; Expires: 09/08/2022

AK - 47

Plant Flower - Cured



Terpenes

(Testing Method: HS-GC/MS, CON-P-4000.03)

Analyst: Natalie Siracusa; Date Tested: 09/03/2021

Analyte	LOD	LOQ	Mass	Mass	
	PPM	PPM	PPM	mg/g	
α-Bisabolol	0.750	3.000	ND	ND	
α-Humulene	0.750	3.000	1044.541	1.045	
α-Pinene	0.750	3.000	303.195	0.303	
α-Terpinene	0.750	3.000	ND	ND	
1,8-Cineole	0.750	3.000	<LOQ	<LOQ	
β-Caryophyllene	0.750	3.000	3834.802	3.835	
β-Myrcene	0.750	3.000	10689.283	10.689	
Borneol	0.750	3.000	159.678	0.160	
Camphene	0.750	3.000	62.410	0.062	
Carene	0.750	3.000	ND	ND	
Caryophyllene Oxide	0.750	3.000	ND	ND	
Citral	0.750	3.000	ND	ND	
Dihydrocarveol	0.750	3.000	ND	ND	
Fenchone	0.750	3.000	83.305	0.083	
γ-Terpinene	0.750	3.000	<LOQ	<LOQ	
Limonene	0.750	3.000	1506.182	1.506	
Linalool	0.750	3.000	3399.318	3.399	
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	124.897	0.125	
Total			21244.178	21.244	2.124 %

Primary Aromas

Clove



Cinnamon



Lavender



Lime



Hops



Total terpenes value is qualitative and includes concentrations outside the assay quantitative analytical range.



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