



# Green Leaf Lab®

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 License#: 10029074C70

## Quality Control Testing Official Report

### Arete Elektra Outdoor

Sample ID: G9K0218-01

Matrix: Industrial Hemp

Test ID: 5000059

Source ID:

Date Sampled: 11/11/19

Date Accepted: 11/11/19

Arete Hemp LLC

### Potency Analysis

Date/Time Extracted: 11/12/19 10:57

Analysis Method/SOP: 215

Batch Identification: 1946020

	LOQ (%)	% by Wt.	mg/g	Cannabinoids Profile
Total THC	0.0099	0.6745	6.745	
Total CBD	0.0090	15.91	159.1	
THCA	0.0032	0.6722	6.722	
delta 9-THC	0.0099	0.0849	0.849	
delta 8-THC	0.0049	< LOQ	< LOQ	
Exo-THC	0.0046	< LOQ	< LOQ	
THCV	0.0055	< LOQ	< LOQ	
THCVA	0.0021	< LOQ	< LOQ	
CBD	0.0068	0.5341	5.341	
CBDA	0.0090	17.53	175.3	
CBDV	0.0055	< LOQ	< LOQ	
CBDVA	0.0018	0.0741	0.741	
CBN	0.0033	< LOQ	< LOQ	
CBG	0.0009	0.0505	0.505	
CBGA	0.0009	0.4937	4.937	
CBC	0.0098	0.1322	1.322	

### Moisture

Date/Time Extracted: 11/12/19 14:22

Analysis Method/SOP: 103

Moisture: 8.27 %

Potency Results are reported on a dry weight basis.

Total THC = delta 9-THC + (THCA \* 0.877)

Total CBD = CBD + (CBDA \* 0.877)

For Potency only delta 9-THC, THCA, CBD, CBDA are ORELAP accredited analytes.

Water Activity Action Level is 0.65. Results above 0.65 fail state testing requirements and will be highlighted Red.

Russell Kuhfeld  
 Quality Officer - 11/14/2019



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### Terpene Analysis

Date/Time Extracted: 11/12/19 10:57

Analysis Method/SOP: 204

Monoterpenes	%	mg/g	Monoterpenes	%	mg/g
Camphene	0.008095	0.08095	Camphor	< LOQ	< LOQ
3-Carene	< LOQ	< LOQ	alpha-Cedrene	< LOQ	< LOQ
Cedrol	< LOQ	< LOQ	Endo-fenchyl alcohol	0.02538	0.2538
Eucalyptol	< LOQ	< LOQ	Fenchone	< LOQ	< LOQ
Geraniol	< LOQ	< LOQ	Geranyl acetate	< LOQ	< LOQ
Hexahydrothymol	< LOQ	< LOQ	Isoborneol	< LOQ	< LOQ
Isopulegol	< LOQ	< LOQ	Limonene	0.06108	0.6108
Linalool	0.05755	0.5755	p-Mentha-1,5-diene	< LOQ	< LOQ
beta-Myrcene	1.184	11.84	Ocimene	< LOQ	< LOQ
alpha-Pinene	0.2339	2.339	beta-Pinene	0.09193	0.9193
Pulegone	< LOQ	< LOQ	Sabinene	< LOQ	< LOQ
Sabinene hydrate	< LOQ	< LOQ	gamma-Terpinene	< LOQ	< LOQ
alpha-Terpinene	< LOQ	< LOQ	Terpineol	0.01603	0.1603
Terpinolene	< LOQ	< LOQ	B Y-Terpineol	< LOQ	< LOQ
Nerol	< LOQ	< LOQ	A-Terpineol	0.02545	0.2545
Borneol	< LOQ	< LOQ	Ocimene isomer II	< LOQ	< LOQ
Ocimene isomer I	< LOQ	< LOQ			
Sesquiterpenes	%	mg/g	Sesquiterpenes	%	mg/g
alpha-Bisabolol	0.1309	1.309	beta-Caryophyllene	0.2522	2.522
Caryophyllene Oxide	0.02380	0.238	Guaiol	0.05622	0.5622
alpha-Humulene	0.06988	0.6988	trans-Nerolidol	0.03747	0.3747
Valencene	< LOQ	< LOQ	cis-Nerolidol	0.2851	2.851
<b>Total Terpenes</b>	<b>2.543</b>	<b>25.43</b>			

<LOQ - Results below the Limit of Quantitation - Terpenes profile/analysis are not accredited to ORELAP TNI 2009 Quality Standards.

*Russell Kuhfeld*

Russell Kuhfeld  
Quality Officer - 11/14/2019



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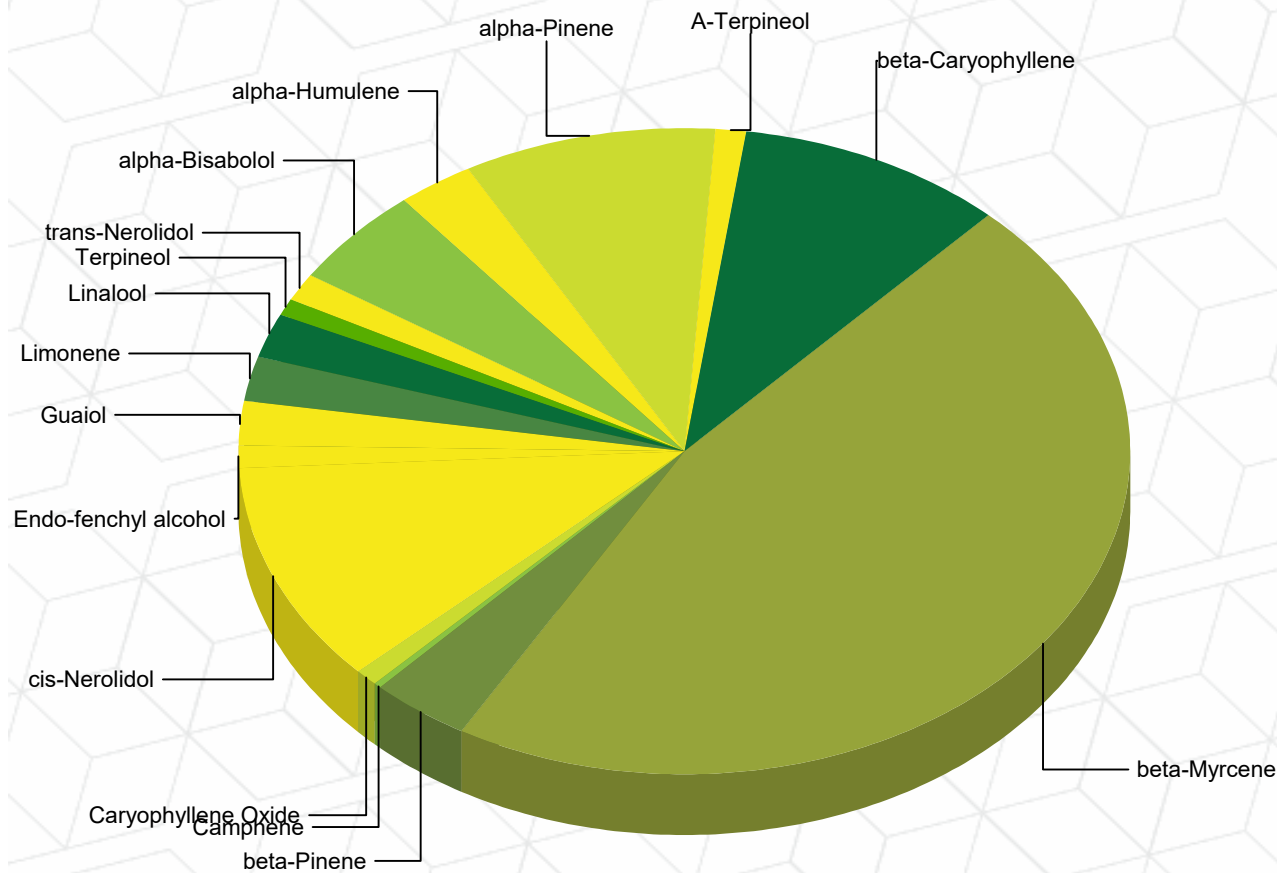
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### Terpene Profile



### Percentage of Total Terpenes Identified

*Russell Kuhfeld*

Russell Kuhfeld  
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