



### Supreme OG Light Dep

Sample ID: G0I0435-01

Matrix: Industrial Hemp

Test ID: 5008101

Source ID:

Date Sampled: 09/19/20

Date Accepted: 09/19/20

Harvest/Prod. Date: 08.24.2020

*Arete Hemp LLC*

### Results at a Glance

Total THC : 0.032 %

Total CBD : 12 %

Total CBG : 0.062 %

Percent Moisture : 6.99 % **PASS**

Total Terpenes : 0.8631 % **PASS**



*Russell Kuhfeld*

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Quality Officer - 9/23/2020

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### Potency Analysis

Date/Time Extracted: 09/22/20 12:30

Analysis Method/SOP: 215

Batch Identification: 2039026

	LOQ (%)	% by Wt.	mg/g	Cannabinoids Profile
Total THC	0.010	0.032	0.32	
Total CBD	0.009	12	120	
Total CBG	0.0008	0.062	0.62	
THCA	0.003	< LOQ	< LOQ	
delta 9-THC	0.010	0.032	0.32	
THCV	0.005	< LOQ	< LOQ	
THCVA	0.002	< LOQ	< LOQ	
CBD	0.007	0.36	3.6	
CBDA	0.009	13	130	
CBDV	0.005	< LOQ	< LOQ	
CBDVA	0.002	0.043	0.43	
CBN	0.003	< LOQ	< LOQ	
CBG	0.0008	0.062	0.62	
CBGA	0.0008	< LOQ	< LOQ	
CBC	0.010	0.058	0.58	

Cannabinoid	Value
delta 9-THC	0.0
CBDA	13.3
CBD	0.4
CBG	0.1
CBC	0.1
CBDVA	0.0
<b>Total</b>	<b>13.8</b>

### Moisture

Date/Time Extracted: 09/22/20 11:09

Analysis Method/SOP: 103

Moisture: 6.99 %

Action Level: 15%

Potency results are reported on a dry weight basis.

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

Total CBD = CBD + (CBDA \* 0.877)

Total CBG = CBG + (CBGA \* 0.878)

LOQ=Limit of Quantification, the lowest measurable concentration of an analyte.



ISO 17025  
ACCREDITED  
LABORATORY

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### Terpene Analysis

Date/Time Extracted: 09/22/20 12:30

Analysis Method/SOP: 204

Monoterpenes	%	mg/g	Monoterpenes	%	mg/g
Camphene	< LOQ	< LOQ	Camphor	< LOQ	< LOQ
3-Carene	< LOQ	< LOQ	alpha-Cedrene	< LOQ	< LOQ
Cedrol	< LOQ	< LOQ	Endo-fenchyl alcohol	0.01382	0.1382
Eucalyptol	< LOQ	< LOQ	Fenchone	< LOQ	< LOQ
Geraniol	< LOQ	< LOQ	Geranyl acetate	< LOQ	< LOQ
Hexahydrothymol	< LOQ	< LOQ	Isoborneol	< LOQ	< LOQ
Isopulegol	< LOQ	< LOQ	Limonene	0.07581	0.7581
Linalool	0.03388	0.3388	p-Mentha-1,5-diene	< LOQ	< LOQ
beta-Myrcene	0.09786	0.9786	alpha-Pinene	0.007614	0.07614
beta-Pinene	0.008093	0.08093	Pulegone	< LOQ	< LOQ
Sabinene	< LOQ	< LOQ	Sabinene hydrate	< LOQ	< LOQ
gamma-Terpinene	< LOQ	< LOQ	alpha-Terpinene	< LOQ	< LOQ
Terpineol	< LOQ	< LOQ	Terpinolene	< LOQ	< LOQ
B Y-Terpineol	< LOQ	< LOQ	Nerol	< LOQ	< LOQ
A-Terpineol	< LOQ	< LOQ	Borneol	< LOQ	< LOQ
Ocimene isomer II	< LOQ	< LOQ	Ocimene isomer I	< LOQ	< LOQ
Sesquiterpenes	%	mg/g	Sesquiterpenes	%	mg/g
alpha-Bisabolol	0.1335	1.335	beta-Caryophyllene	0.3653	3.653
Caryophyllene Oxide	< LOQ	< LOQ	Guaiol	0.02143	0.2143
alpha-Humulene	0.1058	1.058	trans-Nerolidol	< LOQ	< LOQ
Valencene	< LOQ	< LOQ	cis-Nerolidol	< LOQ	< LOQ
<b>Total Terpenes</b>	<b>0.8631</b>	<b>8.631</b>			

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



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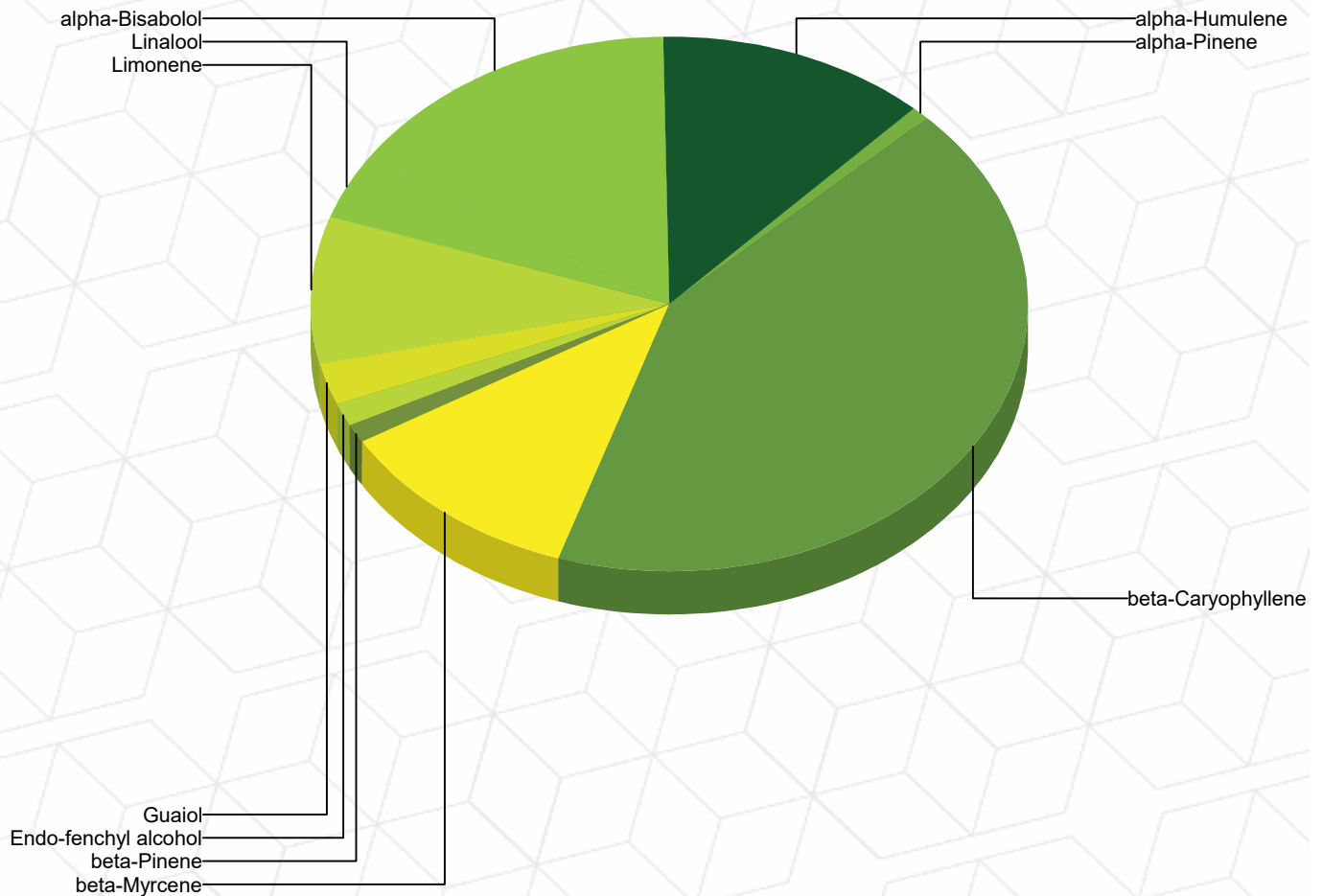
Date Sampled: 09/19/20

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### Terpene Profile



**Percentage of Total Terpenes Identified**



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### Quality Control Potency

Batch: 2039026 - 215-Hemp

Blank(2039026-BLK2)						
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed
THCA	< LOQ	0.012	%		09/22/20 12:30	09/22/20 23:33
delta 9-THC	< LOQ	0.036	%		09/22/20 12:30	09/22/20 23:33
THCV	< LOQ	0.020	%		09/22/20 12:30	09/22/20 23:33
THCVA	< LOQ	0.008	%		09/22/20 12:30	09/22/20 23:33
CBD	< LOQ	0.006	%		09/22/20 12:30	09/22/20 23:33
CBDA	< LOQ	0.008	%		09/22/20 12:30	09/22/20 23:33
CBDV	< LOQ	0.020	%		09/22/20 12:30	09/22/20 23:33
CBDVA	< LOQ	0.007	%		09/22/20 12:30	09/22/20 23:33
CBN	< LOQ	0.012	%		09/22/20 12:30	09/22/20 23:33
CBG	< LOQ	0.003	%		09/22/20 12:30	09/22/20 23:33
CBGA	< LOQ	0.003	%		09/22/20 12:30	09/22/20 23:33
CBC	< LOQ	0.036	%		09/22/20 12:30	09/22/20 23:33

Reference(2039026-SRM2)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
THCA	92.8	0.002	%	80-120	09/22/20 12:30	09/22/20 23:56
delta 9-THC	91.6	0.007	%	80-120	09/22/20 12:30	09/22/20 23:56
CBD	96.5	0.001	%	80-120	09/22/20 12:30	09/22/20 23:56
CBDA	99.1	0.002	%	80-120	09/22/20 12:30	09/22/20 23:56

### Moisture Content

Batch: 2039018 - 103

Reference(2039018-SRM1)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Percent Moisture	86.9		%	80-120	09/22/20 11:09	09/22/20 11:09

Reference(2039018-SRM2)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Percent Moisture	86.9		%	80-120	09/22/20 11:09	09/22/20 11:09

Batch: 2039026 - 215-Hemp

Blank(2039026-BLK1)						
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed
alpha-Bisabolol	< LOQ	0.002000	%		09/22/20 12:30	09/22/20 17:49
Camphene	< LOQ	0.002000	%		09/22/20 12:30	09/22/20 17:49
Camphor	< LOQ	0.002000	%		09/22/20 12:30	09/22/20 17:49
3-Carene	< LOQ	0.002000	%		09/22/20 12:30	09/22/20 17:49
beta-Caryophyllene	< LOQ	0.002000	%		09/22/20 12:30	09/22/20 17:49
Caryophyllene Oxide	< LOQ	0.002000	%		09/22/20 12:30	09/22/20 17:49
alpha-Cedrene	< LOQ	0.002000	%		09/22/20 12:30	09/22/20 17:49
Cedrol	< LOQ	0.002000	%		09/22/20 12:30	09/22/20 17:49



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### Quality Control Terpene Analysis (Continued)

Batch: 2039026 - 215-Hemp (Continued)

Blank(2039026-BLK1)						
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Endo-fenchyl alcohol	< LOQ	0.002000	%		09/22/20 12:30	09/22/20 17:49
Eucalyptol	< LOQ	0.002000	%		09/22/20 12:30	09/22/20 17:49
Fenchone	< LOQ	0.002000	%		09/22/20 12:30	09/22/20 17:49
Geraniol	< LOQ	0.002000	%		09/22/20 12:30	09/22/20 17:49
Geranyl acetate	< LOQ	0.002000	%		09/22/20 12:30	09/22/20 17:49
Guaiol	< LOQ	0.002000	%		09/22/20 12:30	09/22/20 17:49
Hexahydrothymol	< LOQ	0.002000	%		09/22/20 12:30	09/22/20 17:49
alpha-Humulene	< LOQ	0.002000	%		09/22/20 12:30	09/22/20 17:49
Isoborneol	< LOQ	0.002000	%		09/22/20 12:30	09/22/20 17:49
Isopulegol	< LOQ	0.002000	%		09/22/20 12:30	09/22/20 17:49
Limonene	< LOQ	0.002000	%		09/22/20 12:30	09/22/20 17:49
Linalool	< LOQ	0.002000	%		09/22/20 12:30	09/22/20 17:49
p-Mentha-1,5-diene	< LOQ	0.002000	%		09/22/20 12:30	09/22/20 17:49
beta-Myrcene	< LOQ	0.002000	%		09/22/20 12:30	09/22/20 17:49
trans-Nerolidol	< LOQ	0.002000	%		09/22/20 12:30	09/22/20 17:49
alpha-Pinene	< LOQ	0.002000	%		09/22/20 12:30	09/22/20 17:49
beta-Pinene	< LOQ	0.002000	%		09/22/20 12:30	09/22/20 17:49
Pulegone	< LOQ	0.002000	%		09/22/20 12:30	09/22/20 17:49
Sabinene	< LOQ	0.002000	%		09/22/20 12:30	09/22/20 17:49
Sabinene hydrate	< LOQ	0.002000	%		09/22/20 12:30	09/22/20 17:49
gamma-Terpinene	< LOQ	0.002000	%		09/22/20 12:30	09/22/20 17:49
alpha-Terpinene	< LOQ	0.002000	%		09/22/20 12:30	09/22/20 17:49
Terpineol	< LOQ	0.002000	%		09/22/20 12:30	09/22/20 17:49
Terpinolene	< LOQ	0.002000	%		09/22/20 12:30	09/22/20 17:49
Valencene	< LOQ	0.002000	%		09/22/20 12:30	09/22/20 17:49
B Y-Terpineol	< LOQ	0.002000	%		09/22/20 12:30	09/22/20 17:49
Nerol	< LOQ	0.002000	%		09/22/20 12:30	09/22/20 17:49
A-Terpineol	< LOQ	0.002000	%		09/22/20 12:30	09/22/20 17:49
cis-Nerolidol	< LOQ	0.002000	%		09/22/20 12:30	09/22/20 17:49
Borneol	< LOQ	0.002000	%		09/22/20 12:30	09/22/20 17:49
Ocimene isomer II	< LOQ	0.002000	%		09/22/20 12:30	09/22/20 17:49
Ocimene isomer I	< LOQ	0.002000	%		09/22/20 12:30	09/22/20 17:49

Reference(2039026-SRM1)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
beta-Caryophyllene	69.4	4.125E-4	%	70-130	09/22/20 12:30	09/23/20 12:55
alpha-Humulene	56.4	4.125E-4	%	70-130	09/22/20 12:30	09/23/20 12:55
beta-Myrcene	34.0	4.125E-4	%	70-130	09/22/20 12:30	09/23/20 12:55



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