



### Abacus

Sample ID: G1A0175-01

Matrix: Industrial Hemp

Test ID: 5009808

Source ID:

Date Sampled: 01/12/21

Date Accepted: 01/12/21

C Oregon LLC

### Results at a Glance

Total THC : 0.5204 %

Total CBD : 11.79 %

Total CBG : 0.4382 %

Total Terpenes : 2.367 % PASS



Eric Wendt  
Chief Science Officer - 1/16/2021

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### Potency Analysis

Date/Time Extracted: 01/14/21 08:57

Analysis Method/SOP: 215

Batch Identification: 2103034

Cannabinoids	LOQ (%)	% by Wt.	mg/g	Cannabinoids Profile
Total THC	0.007819	0.5204	5.204	
Total CBD	0.007148	11.79	117.9	
Total CBG	6.803E-4	0.4382	4.382	
THCA	0.002515	0.5247	5.247	
delta 9-THC	0.007819	0.06023	0.6023	
THCV	0.004353	< LOQ	< LOQ	
THCVA	0.001623	< LOQ	< LOQ	
CBD	0.005357	0.3243	3.243	
CBDA	0.007148	13.07	130.7	
CBDV	0.004306	< LOQ	< LOQ	
CBDVA	0.001412	0.04566	0.4566	
CBN	0.002575	< LOQ	< LOQ	
CBG	6.803E-4	0.04727	0.4727	
CBGA	6.803E-4	0.4453	4.453	
CBC	0.007720	0.06450	0.645	

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: 01/14/21 08:57

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	< LOQ	< LOQ
Eucalyptol	< LOQ	< LOQ	Fenchone	< LOQ	< LOQ
Geraniol	< LOQ	< LOQ	Geranyl acetate	< LOQ	< LOQ
Hexahydrothymol	< LOQ	< LOQ	Isoborneol	< LOQ	< LOQ
Isopulegol	< LOQ	< LOQ	Limonene	0.08156	0.8156
Linalool	0.02979	0.2979	p-Mentha-1,5-diene	0.06894	0.6894
beta-Myrcene	0.6604	6.604	alpha-Pinene	0.6967	6.967
beta-Pinene	0.1099	1.099	Pulegone	< LOQ	< LOQ
Sabinene	< LOQ	< LOQ	Sabinene hydrate	< LOQ	< LOQ
gamma-Terpinene	< LOQ	< LOQ	alpha-Terpinene	< LOQ	< LOQ
Terpineol	0.01505	0.1505	Terpinolene	< LOQ	< LOQ
B Y-Terpineol	< LOQ	< LOQ	Nerol	< LOQ	< LOQ
A-Terpineol	0.02389	0.2389	Borneol	< LOQ	< LOQ
Ocimene isomer II	0.02022	0.2022	Ocimene isomer I	< LOQ	< LOQ
Sesquiterpenes	%	mg/g	Sesquiterpenes	%	mg/g
alpha-Bisabolol	0.1339	1.339	beta-Caryophyllene	0.3704	3.704
Caryophyllene Oxide	0.02406	0.2406	Guaiol	0.03251	0.3251
alpha-Humulene	0.1149	1.149	trans-Nerolidol	< LOQ	< LOQ
Valencene	< LOQ	< LOQ	cis-Nerolidol	< LOQ	< LOQ
<b>Total Terpenes</b>	<b>2.367</b>	<b>23.67</b>			

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



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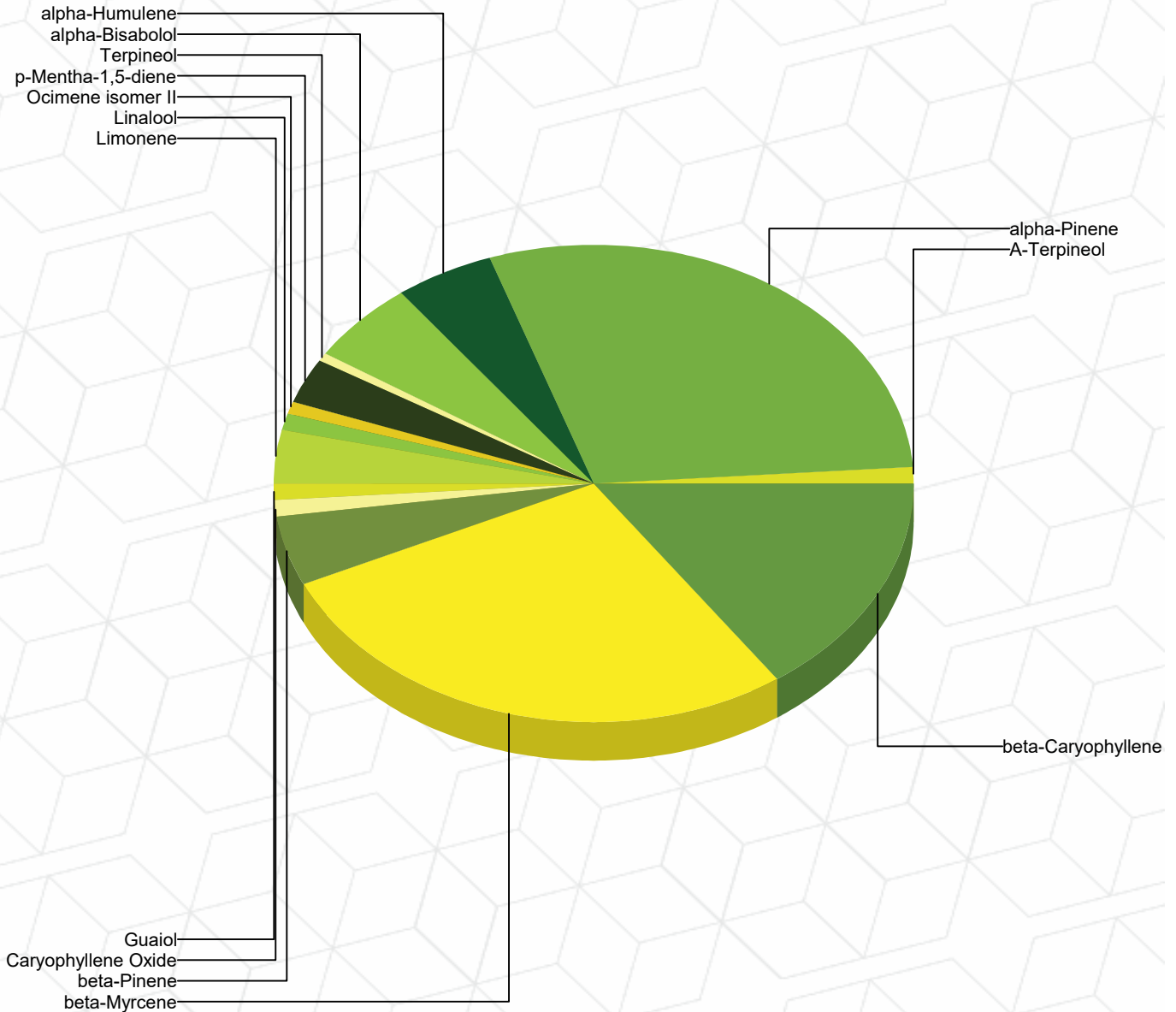
Source ID:

Date Sampled: 01/12/21

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### Terpene Profile



Percentage of Total Terpenes Identified



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### Quality Control Potency

Batch: 2103034 - 215-Hemp

Blank(2103034-BLK1)						
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed
THCA	< LOQ	0.01168	%		01/14/21 08:57	01/14/21 20:50
delta 9-THC	< LOQ	0.03632	%		01/14/21 08:57	01/14/21 20:50
THCV	< LOQ	0.02022	%		01/14/21 08:57	01/14/21 20:50
THCVA	< LOQ	0.007540	%		01/14/21 08:57	01/14/21 20:50
CBD	< LOQ	0.006220	%		01/14/21 08:57	01/14/21 20:50
CBDA	< LOQ	0.008300	%		01/14/21 08:57	01/14/21 20:50
CBDV	< LOQ	0.02000	%		01/14/21 08:57	01/14/21 20:50
CBDVA	< LOQ	0.006560	%		01/14/21 08:57	01/14/21 20:50
CBN	< LOQ	0.01196	%		01/14/21 08:57	01/14/21 20:50
CBG	< LOQ	0.003160	%		01/14/21 08:57	01/14/21 20:50
CBGA	< LOQ	0.003160	%		01/14/21 08:57	01/14/21 20:50
CBC	< LOQ	0.03586	%		01/14/21 08:57	01/14/21 20:50

Reference(2103034-SRM1)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
THCA	101	0.002920	%	80-120	01/14/21 08:57	01/14/21 21:12
delta 9-THC	101	0.009080	%	80-120	01/14/21 08:57	01/14/21 21:12
CBD	101	0.001555	%	80-120	01/14/21 08:57	01/14/21 21:12
CBDA	102	0.002075	%	80-120	01/14/21 08:57	01/14/21 21:12

### Terpene Analysis

Batch: 2103034 - 215-Hemp

Blank(2103034-BLK1)						
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed
alpha-Bisabolol	< LOQ	0.001000	%		01/14/21 08:57	01/15/21 03:24
Camphene	< LOQ	0.001000	%		01/14/21 08:57	01/15/21 03:24
Camphor	< LOQ	0.001000	%		01/14/21 08:57	01/15/21 03:24
3-Carene	< LOQ	0.001000	%		01/14/21 08:57	01/15/21 03:24
beta-Caryophyllene	< LOQ	0.001000	%		01/14/21 08:57	01/15/21 03:24
Caryophyllene Oxide	< LOQ	0.001000	%		01/14/21 08:57	01/15/21 03:24
alpha-Cedrene	< LOQ	0.001000	%		01/14/21 08:57	01/15/21 03:24
Cedrol	< LOQ	0.001000	%		01/14/21 08:57	01/15/21 03:24
Endo-fenchyl alcohol	< LOQ	0.001000	%		01/14/21 08:57	01/15/21 03:24
Eucalyptol	< LOQ	0.001000	%		01/14/21 08:57	01/15/21 03:24
Fenchone	< LOQ	0.001000	%		01/14/21 08:57	01/15/21 03:24
Geraniol	< LOQ	0.001000	%		01/14/21 08:57	01/15/21 03:24
Geranyl acetate	< LOQ	0.001000	%		01/14/21 08:57	01/15/21 03:24
Guaiol	< LOQ	0.001000	%		01/14/21 08:57	01/15/21 03:24
Hexahydrothymol	< LOQ	0.001000	%		01/14/21 08:57	01/15/21 03:24



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### Quality Control Terpene Analysis (Continued)

Batch: 2103034 - 215-Hemp (Continued)

Blank(2103034-BLK1)						
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed
alpha-Humulene	< LOQ	0.001000	%		01/14/21 08:57	01/15/21 03:24
Isoborneol	< LOQ	0.001000	%		01/14/21 08:57	01/15/21 03:24
Isopulegol	< LOQ	0.001000	%		01/14/21 08:57	01/15/21 03:24
Limonene	< LOQ	0.001000	%		01/14/21 08:57	01/15/21 03:24
Linalool	< LOQ	0.001000	%		01/14/21 08:57	01/15/21 03:24
p-Mentha-1,5-diene	< LOQ	0.001000	%		01/14/21 08:57	01/15/21 03:24
beta-Myrcene	< LOQ	0.001000	%		01/14/21 08:57	01/15/21 03:24
trans-Nerolidol	< LOQ	0.001000	%		01/14/21 08:57	01/15/21 03:24
alpha-Pinene	< LOQ	0.001000	%		01/14/21 08:57	01/15/21 03:24
beta-Pinene	< LOQ	0.001000	%		01/14/21 08:57	01/15/21 03:24
Pulegone	< LOQ	0.001000	%		01/14/21 08:57	01/15/21 03:24
Sabinene	< LOQ	0.001000	%		01/14/21 08:57	01/15/21 03:24
Sabinene hydrate	< LOQ	0.001000	%		01/14/21 08:57	01/15/21 03:24
gamma-Terpinene	< LOQ	0.001000	%		01/14/21 08:57	01/15/21 03:24
alpha-Terpinene	< LOQ	0.001000	%		01/14/21 08:57	01/15/21 03:24
Terpineol	< LOQ	0.001000	%		01/14/21 08:57	01/15/21 03:24
Terpinolene	< LOQ	0.001000	%		01/14/21 08:57	01/15/21 03:24
Valencene	< LOQ	0.001000	%		01/14/21 08:57	01/15/21 03:24
B Y-Terpineol	< LOQ	0.001000	%		01/14/21 08:57	01/15/21 03:24
Nerol	< LOQ	0.001000	%		01/14/21 08:57	01/15/21 03:24
A-Terpineol	< LOQ	0.001000	%		01/14/21 08:57	01/15/21 03:24
cis-Nerolidol	< LOQ	0.001000	%		01/14/21 08:57	01/15/21 03:24
Borneol	< LOQ	0.001000	%		01/14/21 08:57	01/15/21 03:24
Ocimene isomer II	< LOQ	0.001000	%		01/14/21 08:57	01/15/21 03:24
Ocimene isomer I	< LOQ	0.001000	%		01/14/21 08:57	01/15/21 03:24

Reference(2103034-SRM1)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
beta-Caryophyllene	94.8	2.500E-4	%	70-130	01/14/21 08:57	01/15/21 03:43
alpha-Humulene	109	2.500E-4	%	70-130	01/14/21 08:57	01/15/21 03:43
beta-Myrcene	77.8	2.500E-4	%	70-130	01/14/21 08:57	01/15/21 03:43



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