



D8 Abacus Diesel

Sample ID: G1L0020-10

Matrix: Industrial Hemp

Test ID: 5021930

Source ID:

Date Sampled: 11/30/21

Date Accepted: 11/30/21

Results at a Glance

Total THC : 0.47 %

Total CBD : 14 %

Total CBG : 0.32 %

delta 8-THC : 14 % dry PASS

Percent Moisture : 7.58 % PASS

Total Terpenes : 1.900 % PASS



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Potency Analysis

Date/Time Extracted: 12/02/21 09:10

Analysis Method/SOP: 215

Batch Identification: 2149035

	LOQ (%)	% by Wt.	mg/g	Cannabinoids Profile																				
Total THC	0.010	0.47	4.7																					
Total CBD	0.009	14	140																					
Total CBG	0.0009	0.32	3.2																					
THCA	0.0005	0.53	5.3																					
delta 9-THC	0.0005	< LOQ	< LOQ																					
delta 8-THC	0.019	14	140																					
THCV	0.005	< LOQ	< LOQ																					
THCVA	0.002	< LOQ	< LOQ																					
CBD	0.002	0.59	5.9																					
CBDA	0.002	15	150																					
CBDV	0.005	< LOQ	< LOQ																					
CBDVA	0.002	0.025	0.25																					
CBN	0.003	0.039	0.39																					
CBG	0.0009	0.034	0.34																					
CBGA	0.0009	0.33	3.3																					
CBC	0.010	0.31	3.1																					
				<table><tr><td>THCA</td><td>0.5</td></tr><tr><td>delta 8-THC</td><td>14.0</td></tr><tr><td>CBGA</td><td>0.3</td></tr><tr><td>CBDA</td><td>15.2</td></tr><tr><td>CBD</td><td>0.6</td></tr><tr><td>CBN</td><td>0.0</td></tr><tr><td>CBG</td><td>0.0</td></tr><tr><td>CBC</td><td>0.3</td></tr><tr><td>CBDVA</td><td>0.0</td></tr><tr><td>Total:</td><td>31.1</td></tr></table>	THCA	0.5	delta 8-THC	14.0	CBGA	0.3	CBDA	15.2	CBD	0.6	CBN	0.0	CBG	0.0	CBC	0.3	CBDVA	0.0	Total:	31.1
THCA	0.5																							
delta 8-THC	14.0																							
CBGA	0.3																							
CBDA	15.2																							
CBD	0.6																							
CBN	0.0																							
CBG	0.0																							
CBC	0.3																							
CBDVA	0.0																							
Total:	31.1																							

Moisture

Date/Time Extracted: 12/02/21 15:17

Analysis Method/SOP: 103

Moisture: 7.58 %

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.



Eric Wendt
Chief Science Officer - 12/7/2021

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Matrix: Industrial Hemp

Test ID: 5021930

Source ID:

Date Sampled: 11/30/21

Date Accepted: 11/30/21

Terpene Analysis

Date/Time Extracted: 12/02/21 09:10

Analysis Method/SOP: 204

Monoterpenes	%	mg/g	Monoterpenes	%	mg/g
Camphene	< LOQ	< LOQ	Camphor	< LOQ	< LOQ
3-Carene	0.01669	0.1669	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	0.1246	1.246
Linalool	0.02343	0.2343	p-Mentha-1,5-diene	< LOQ	< LOQ
beta-Myrcene	0.5725	5.725	alpha-Pinene	0.3396	3.396
beta-Pinene	0.07610	0.761	Pulegone	< LOQ	< LOQ
Sabinene	< LOQ	< LOQ	Sabinene hydrate	< LOQ	< LOQ
gamma-Terpinene	< LOQ	< LOQ	alpha-Terpinene	< LOQ	< LOQ
Terpineol	0.01646	0.1646	Terpinolene	< LOQ	< LOQ
B Y-Terpineol	< LOQ	< LOQ	Nerol	< LOQ	< LOQ
A-Terpineol	0.02612	0.2612	Borneol	< LOQ	< LOQ
Ocimene isomer II	< LOQ	< LOQ	Ocimene isomer I	< LOQ	< LOQ
Sesquiterpenes	%	mg/g	Sesquiterpenes	%	mg/g
alpha-Bisabolol	0.1382	1.382	beta-Caryophyllene	0.4207	4.207
Caryophyllene Oxide	< LOQ	< LOQ	Guaiol	< LOQ	< LOQ
alpha-Humulene	0.09903	0.9903	trans-Nerolidol	< LOQ	< LOQ
Valencene	0.06323	0.6323	cis-Nerolidol	< LOQ	< LOQ
Total Terpenes	1.900	19			

<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: 11/30/21

Date Accepted: 11/30/21

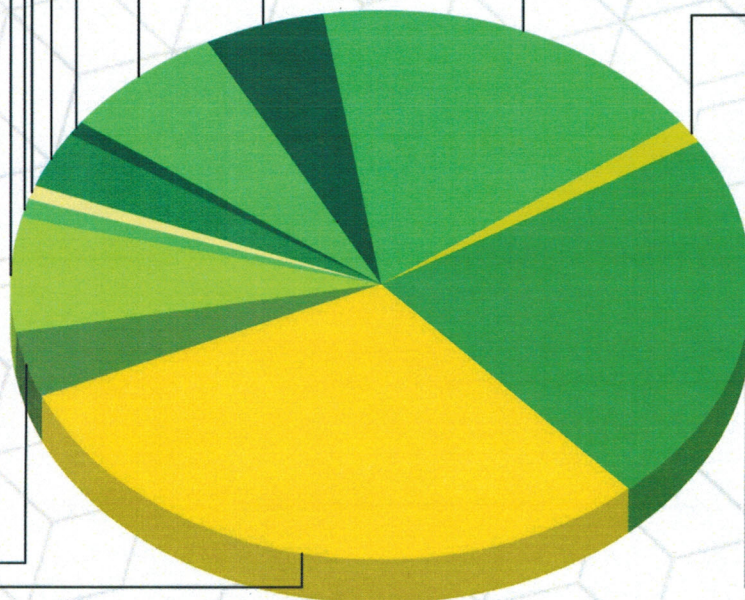
Terpene Profile

alpha-Humulene
alpha-Bisabolol
3-Carene
Valencene
Terpineol
Linalool
Limonene

beta-Pinene
beta-Myrcene

alpha-Pinene
A-Terpineol

beta-Caryophyllene



Percentage of Total Terpenes Identified



Quality Control Potency

Batch: 2149035 - 215-Hemp

Blank(2149035-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	< LOQ	0.002	%		12/02/21 09:10	12/02/21 17:24	
delta 9-THC	< LOQ	0.002	%		12/02/21 09:10	12/02/21 17:24	
delta 8-THC	< LOQ	0.018	%		12/02/21 09:10	12/02/21 17:24	
THCV	< LOQ	0.020	%		12/02/21 09:10	12/02/21 17:24	
THCVA	< LOQ	0.008	%		12/02/21 09:10	12/02/21 17:24	
CBD	< LOQ	0.002	%		12/02/21 09:10	12/02/21 17:24	
CBDA	< LOQ	0.002	%		12/02/21 09:10	12/02/21 17:24	
CBDV	< LOQ	0.020	%		12/02/21 09:10	12/02/21 17:24	
CBDVA	< LOQ	0.007	%		12/02/21 09:10	12/02/21 17:24	
CBN	< LOQ	0.012	%		12/02/21 09:10	12/02/21 17:24	
CBG	< LOQ	0.003	%		12/02/21 09:10	12/02/21 17:24	
CBGA	< LOQ	0.003	%		12/02/21 09:10	12/02/21 17:24	
CBC	< LOQ	0.036	%		12/02/21 09:10	12/02/21 17:24	

Reference(2149035-SRM1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	98.6	0.0005	%	80-120	12/02/21 09:10	12/02/21 17:47	
delta 9-THC	97.6	0.0005	%	80-120	12/02/21 09:10	12/02/21 17:47	
CBD	98.7	0.0005	%	80-120	12/02/21 09:10	12/02/21 17:47	
CBDA	99.4	0.0005	%	80-120	12/02/21 09:10	12/02/21 17:47	

Terpene Analysis

Batch: 2149035 - 215-Hemp

Blank(2149035-BLK2)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
alpha-Bisabolol	< LOQ	0.001000	%		12/02/21 09:10	12/03/21 10:52	
Camphene	< LOQ	0.001000	%		12/02/21 09:10	12/03/21 10:52	
Camphor	< LOQ	0.001000	%		12/02/21 09:10	12/03/21 10:52	
3-Carene	< LOQ	0.001000	%		12/02/21 09:10	12/03/21 10:52	
beta-Caryophyllene	< LOQ	0.001000	%		12/02/21 09:10	12/03/21 10:52	
Caryophyllene Oxide	< LOQ	0.001000	%		12/02/21 09:10	12/03/21 10:52	
alpha-Cedrene	< LOQ	0.001000	%		12/02/21 09:10	12/03/21 10:52	
Cedrol	< LOQ	0.001000	%		12/02/21 09:10	12/03/21 10:52	
Endo-fenchyl alcohol	< LOQ	0.001000	%		12/02/21 09:10	12/03/21 10:52	
Eucalyptol	< LOQ	0.001000	%		12/02/21 09:10	12/03/21 10:52	
Fenchone	< LOQ	0.001000	%		12/02/21 09:10	12/03/21 10:52	
Geraniol	< LOQ	0.001000	%		12/02/21 09:10	12/03/21 10:52	
Geranyl acetate	< LOQ	0.001000	%		12/02/21 09:10	12/03/21 10:52	
Guaial	< LOQ	0.001000	%		12/02/21 09:10	12/03/21 10:52	



Quality Control Terpene Analysis (Continued)

Batch: 2149035 - 215-Hemp (Continued)

Blank(2149035-BLK2)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Hexahydrothymol	< LOQ	0.001000	%		12/02/21 09:10	12/03/21 10:52	
alpha-Humulene	< LOQ	0.001000	%		12/02/21 09:10	12/03/21 10:52	
Isoborneol	< LOQ	0.001000	%		12/02/21 09:10	12/03/21 10:52	
Isopulegol	< LOQ	0.001000	%		12/02/21 09:10	12/03/21 10:52	
Limonene	< LOQ	0.001000	%		12/02/21 09:10	12/03/21 10:52	
Linalool	< LOQ	0.001000	%		12/02/21 09:10	12/03/21 10:52	
p-Mentha-1,5-diene	< LOQ	0.001000	%		12/02/21 09:10	12/03/21 10:52	
beta-Myrcene	< LOQ	0.001000	%		12/02/21 09:10	12/03/21 10:52	
trans-Nerolidol	< LOQ	0.001000	%		12/02/21 09:10	12/03/21 10:52	
alpha-Pinene	< LOQ	0.001000	%		12/02/21 09:10	12/03/21 10:52	
beta-Pinene	< LOQ	0.001000	%		12/02/21 09:10	12/03/21 10:52	
Pulegone	< LOQ	0.001000	%		12/02/21 09:10	12/03/21 10:52	
Sabinene	< LOQ	0.001000	%		12/02/21 09:10	12/03/21 10:52	
Sabinene hydrate	< LOQ	0.001000	%		12/02/21 09:10	12/03/21 10:52	
gamma-Terpinene	< LOQ	0.001000	%		12/02/21 09:10	12/03/21 10:52	
alpha-Terpinene	< LOQ	0.001000	%		12/02/21 09:10	12/03/21 10:52	
Terpineol	< LOQ	0.001000	%		12/02/21 09:10	12/03/21 10:52	
Terpinolene	< LOQ	0.001000	%		12/02/21 09:10	12/03/21 10:52	
Valencene	< LOQ	0.001000	%		12/02/21 09:10	12/03/21 10:52	
B Y-Terpineol	< LOQ	0.001000	%		12/02/21 09:10	12/03/21 10:52	
Nerol	< LOQ	0.001000	%		12/02/21 09:10	12/03/21 10:52	
A-Terpineol	< LOQ	0.001000	%		12/02/21 09:10	12/03/21 10:52	
cis-Nerolidol	< LOQ	0.001000	%		12/02/21 09:10	12/03/21 10:52	
Borneol	< LOQ	0.001000	%		12/02/21 09:10	12/03/21 10:52	
Ocimene isomer II	< LOQ	0.001000	%		12/02/21 09:10	12/03/21 10:52	
Ocimene isomer I	< LOQ	0.001000	%		12/02/21 09:10	12/03/21 10:52	

Reference(2149035-SRM2)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
beta-Caryophyllene	112	2.500E-4	%	70-130	12/02/21 09:10	12/06/21 17:27	
alpha-Humulene	112	2.500E-4	%	70-130	12/02/21 09:10	12/06/21 17:27	
beta-Myrcene	171	2.500E-4	%	70-130	12/02/21 09:10	12/06/21 17:27	

Batch: 2149037 - 103

Reference(2149037-SRM1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Percent Moisture	113		%	80-120	12/02/21 15:17	12/02/21 15:17	

Reference(2149037-SRM2)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Percent Moisture	96.9		%	80-120	12/02/21 15:17	12/02/21 15:17	