



CBG

Sample ID: G0L0013-05

Matrix: Industrial Hemp

Test ID: 5007264

Source ID:

Date Sampled: 11/30/20

Date Accepted: 11/30/20

Grateful Beginnings

Results at a Glance

Total THC : 0.1696 %

Total CBD : 0.02707 %

Total CBG : 13.10 %

Total Terpenes : 0.8779 % PASS



Brittany Wiemer

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Quality Officer - 12/3/2020

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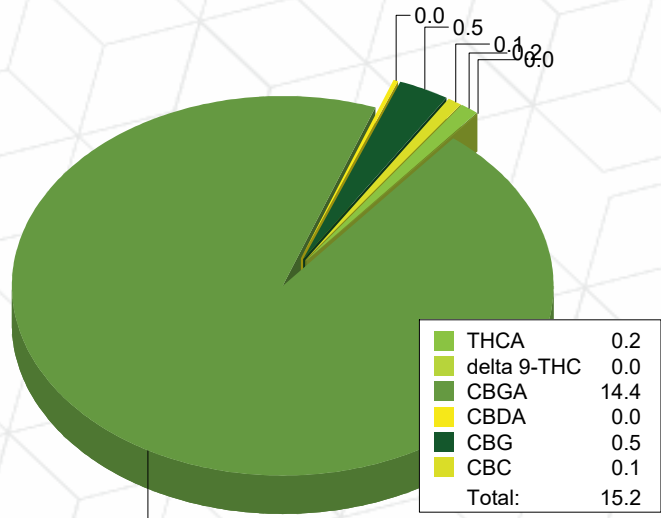
Potency Analysis

Date/Time Extracted: 12/02/20 11:49

Analysis Method/SOP: 215

Batch Identification: 2049033

Cannabinoids	LOQ (%)	% by Wt.	mg/g	Cannabinoids Profile
Total THC	0.009080	0.1696	1.696	
Total CBD	0.002075	0.02707	0.2707	
Total CBG	0.003160	13.10	131	
THCA	0.002920	0.1593	1.593	
delta 9-THC	0.009080	0.02991	0.2991	
THCV	0.005055	< LOQ	< LOQ	
THCVA	0.001885	< LOQ	< LOQ	
CBD	0.001555	< LOQ	< LOQ	
CBDA	0.002075	0.03087	0.3087	
CBDV	0.005000	< LOQ	< LOQ	
CBDVA	0.001640	< LOQ	< LOQ	
CBN	0.002990	< LOQ	< LOQ	
CBG	0.003160	0.4850	4.85	
CBGA	0.003160	14.36	143.6	
CBC	0.008965	0.1088	1.088	



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.



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Terpene Analysis

Date/Time Extracted: 12/02/20 11:49

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	0.02712	0.2712
Linalool	< LOQ	< LOQ	p-Mentha-1,5-diene	< LOQ	< LOQ
beta-Myrcene	< LOQ	< LOQ	alpha-Pinene	< LOQ	< LOQ
beta-Pinene	< LOQ	< LOQ	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	0.3218	3.218	beta-Caryophyllene	0.2030	2.03
Caryophyllene Oxide	0.09880	0.988	Guaiol	0.1171	1.171
alpha-Humulene	0.07162	0.7162	trans-Nerolidol	< LOQ	< LOQ
Valencene	0.03849	0.3849	cis-Nerolidol	< LOQ	< LOQ
Total Terpenes	0.8779	8.779			

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



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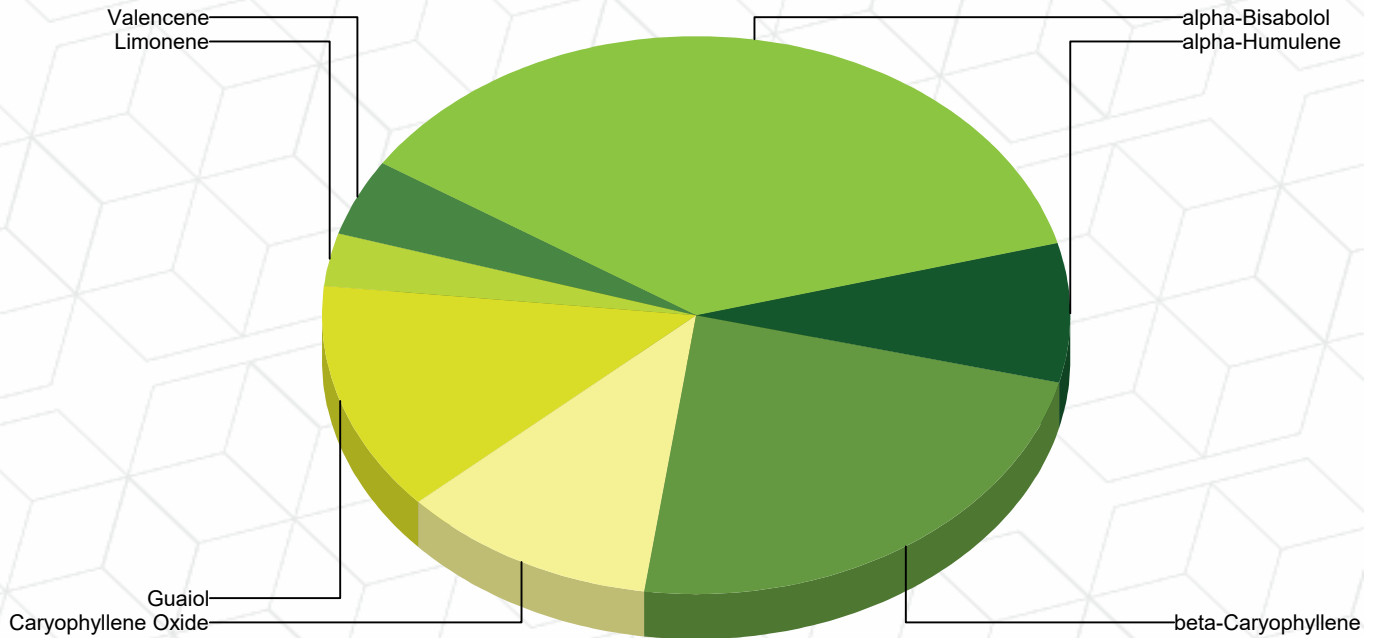
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Grateful Beginnings

Terpene Profile



Percentage of Total Terpenes Identified



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Quality Control Potency

Batch: 2049033 - 215-Hemp

Blank(2049033-BLK2)						
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed
THCA	< LOQ	0.01168	%		12/02/20 11:49	12/03/20 02:11
delta 9-THC	< LOQ	0.03632	%		12/02/20 11:49	12/03/20 02:11
THCV	< LOQ	0.02022	%		12/02/20 11:49	12/03/20 02:11
THCVA	< LOQ	0.007540	%		12/02/20 11:49	12/03/20 02:11
CBD	< LOQ	0.006220	%		12/02/20 11:49	12/03/20 02:11
CBDA	< LOQ	0.008300	%		12/02/20 11:49	12/03/20 02:11
CBDV	< LOQ	0.02000	%		12/02/20 11:49	12/03/20 02:11
CBDVA	< LOQ	0.006560	%		12/02/20 11:49	12/03/20 02:11
CBN	< LOQ	0.01196	%		12/02/20 11:49	12/03/20 02:11
CBG	< LOQ	0.003160	%		12/02/20 11:49	12/03/20 02:11
CBGA	< LOQ	0.003160	%		12/02/20 11:49	12/03/20 02:11
CBC	< LOQ	0.03586	%		12/02/20 11:49	12/03/20 02:11

Reference(2049033-SRM2)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
THCA	93.9	0.002920	%	80-120	12/02/20 11:49	12/03/20 02:45
delta 9-THC	95.5	0.009080	%	80-120	12/02/20 11:49	12/03/20 02:45
CBD	96.4	0.001555	%	80-120	12/02/20 11:49	12/03/20 02:45
CBDA	95.8	0.002075	%	80-120	12/02/20 11:49	12/03/20 02:45

Terpene Analysis

Batch: 2049033 - 215-Hemp

Reference(2049033-SRM1)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
beta-Caryophyllene	74.5	2.500E-4	%	70-130	12/02/20 11:49	12/03/20 00:09
alpha-Humulene	99.9	2.500E-4	%	70-130	12/02/20 11:49	12/03/20 00:09
beta-Myrcene	96.4	2.500E-4	%	70-130	12/02/20 11:49	12/02/20 23:51



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