



Bubba

Sample ID: G0L0013-04

Matrix: Industrial Hemp

Test ID: 5007263

Source ID:

Date Sampled: 11/30/20

Date Accepted: 11/30/20

Grateful Beginnings

Results at a Glance

Total THC : 0.5465 %

Total CBD : 13.53 %

Total CBG : 0.5429 %

Total Terpenes : 1.608 % PASS



Brittany Wiemer

Brittany Wiemer
Quality Officer - 12/3/2020

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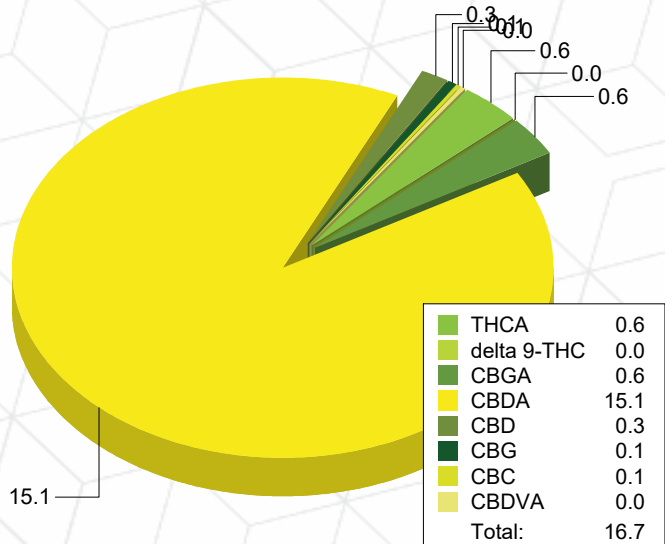
Potency Analysis

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	0.5465	5.465	
Total CBD	0.008300	13.53	135.3	
Total CBG	7.900E-4	0.5429	5.429	
THCA	0.002920	0.5970	5.97	
delta 9-THC	0.009080	0.02293	0.2293	
THCV	0.005055	< LOQ	< LOQ	
THCVA	0.001885	< LOQ	< LOQ	
CBD	0.006220	0.2937	2.937	
CBDA	0.008300	15.10	151	
CBDV	0.005000	< LOQ	< LOQ	
CBDVA	0.001640	0.04534	0.4534	
CBN	0.002990	< LOQ	< LOQ	
CBG	7.900E-4	0.05579	0.5579	
CBGA	7.900E-4	0.5548	5.548	
CBC	0.008965	0.06749	0.6749	



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	0.02353	0.2353
Eucalyptol	< LOQ	< LOQ	Fenchone	< LOQ	< LOQ
Geraniol	< LOQ	< LOQ	Geranyl acetate	< LOQ	< LOQ
Hexahydrothymol	< LOQ	< LOQ	Isoborneol	< LOQ	< LOQ
Isopulegol	< LOQ	< LOQ	Limonene	0.1627	1.627
Linalool	0.06724	0.6724	p-Mentha-1,5-diene	< LOQ	< LOQ
beta-Myrcene	0.2222	2.222	alpha-Pinene	< LOQ	< LOQ
beta-Pinene	0.01632	0.1632	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	0.2939	2.939	beta-Caryophyllene	0.4638	4.638
Caryophyllene Oxide	0.1006	1.006	Guaiol	< LOQ	< LOQ
alpha-Humulene	0.1586	1.586	trans-Nerolidol	< LOQ	< LOQ
Valencene	0.09906	0.9906	cis-Nerolidol	< LOQ	< LOQ
Total Terpenes	1.608	16.08			

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



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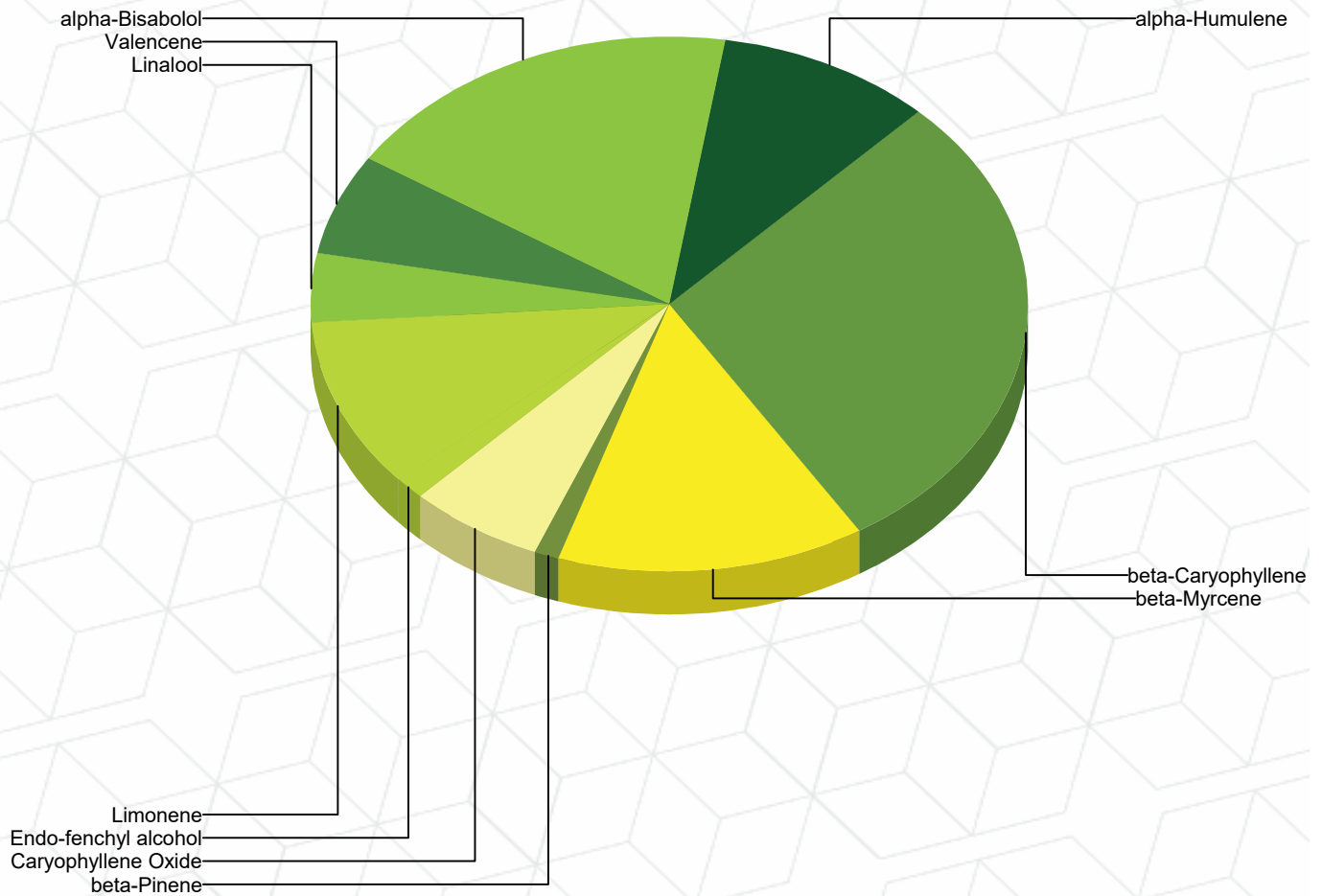
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Grateful Beginnings

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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