

Certificate of Analysis

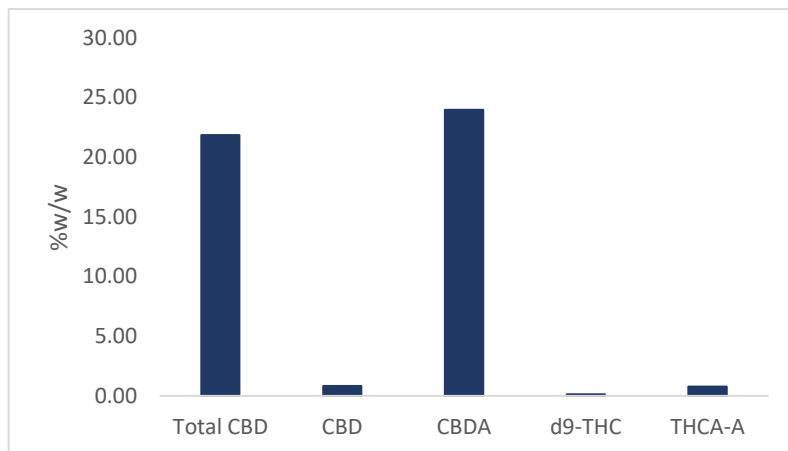
Client	Goat Ridge Hemp	
Contact	Andy Dodge	
Email:	andydodge87@yahoo.com	
Sample Name	Lifter flower	
Sample Type	Dried Biomass	
Intake Date	30-Oct-19	
Sample ID	ES-191035DB	

Approved By:	Keith Griswold, M.S.	Signature:	Date:
Title:	Analytics & Formulations Dir.		10-Dec-2019

Method:	Cannabinoids-Limited Screen by HPLC-UV	Analyst:	Analysis Date:
Method ID:	NEP-CERF-5210 (internal)	KT	1-Nov-2019

	%W/W	
Total CBD	21.85	
CBD	0.81	
CBDA	23.99	
d9-THC	0.12	
THCA-A	0.76	

*Total CBD/THC calculated using the molar ratio constant 0.877; results reported on a "dry basis."



Method:	Water Activity/Moisture Content	Analyst:	Analysis Date:
Method ID:	ASTM D8196-18	KT	1-Nov-2019
Water Activity	0.517	Aw	
Moisture Content	10.7	%	

Comments:	N/A
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Testing Info:	All testing is performed by either industry accepted methodology or internal methodology developed, validated and controlled under AOAC and ICH guidelines. Northeast Analytics is a participant in second party sponsored proficiency testing and is currently in the processing of receiving ISO/IEC 17025/2017 accreditation. Please direct any inquiries regarding results in this report for additional testing capabilities to analytics@northeastprocessing.com .
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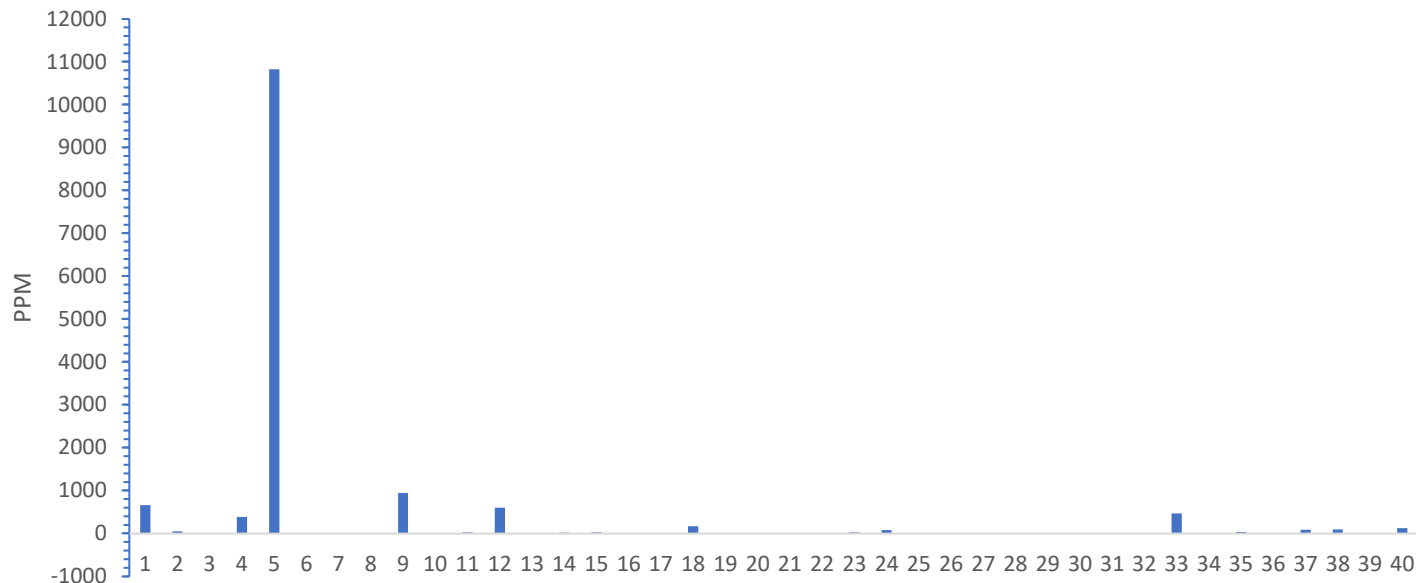
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Method:	Cannabinoids-Full Screen by LCMS		Analyst:	Analysis Date:
Method ID:	NEP-CERF-7414 (internal)		KG	2-Oct-2019
Cannabinoid	%W/W	MG/G		
CBDV	<0.01	< 0.1		
CBDVA	0.18	1.83		
CBG	0.06	0.56		
THCV	<0.01	< 0.1		
CBGA	0.30	2.97		
CBN	<0.01	< 0.1		
d8-THC	<0.01	< 0.1		
THCVA	<0.01	< 0.1		
CBL	<0.01	< 0.1		
CBC	0.08	0.75		
CBNA	<0.01	< 0.1		
CBCA	0.89	8.87		
Total Minor Cannbinoids		1.50	%w/w	

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Method:	Terpen Profile by HS-GCMS	Analyst:	Analysis Date:
Method ID:	NEP-CERF-5933 (internal)	ML	4-Oct-2019

Terpene Profile



Analyte	PPM	Analyte	PPM
1 a-Pinene	660	21 Isoborneol	< 2
2 Camphene	46	22 Menthol	< 2
3 Sabinene-	3	23 endo-Borneol	25
4 b-Pinene	384	24 a-Terpineol	76
5 b-Myrcene	10821	25 g Terpineol	< 2
6 .a-Phellandrene	10	26 Nerol	< 2
7 Carene	< 2	27 Pulegone	< 2
8 a-Terpinene	8	28 Geraniol	< 2
9 D-Limonene	946	29 Geranyl acetate	< 2
10 o-Cymene	-11	30 a-Cedrene	< 2
11 Eucalyptol	24	31 (E)-b-Famesene	< 2
12 b-Ocimene	603	32 Caryophyllene	< 2
13 gTerpinene	7	33 a-Humulene	467
14 Terpinolene	15	34 trans-Neradiol	< 2
15 Sabinene Hydrate	24	35 cis-Neradiol	35
16 Fenchone	< 2	36 Valencene	< 2
17 Linalool	0	37 Guaiol	88
18 Fenchol	168	38 Caryophyllene Oxide	94
19 Isopulegol	< 2	39 Cedrol	< 2
20 Camphor	< 2	40 a-Bisabolol	123

*Reporting limit is 2 parts per million; results reported on a dry basis.

Total 14616
Total in %W/W 1.46