



Summary: In dry tops, HempTrain™ concentrated 100% of CBD in 50% of top material

Feedstock: Cut tops, collected using a combine harvester, dried while baled

CBD: Total attainable CBD is 0.85%

Condition: Dried (top ~1-2 ft of industrial hemp plant)

Cultivar: Kitani

Season: 2019

Region: Western Canada

Results

When dried industrial hemp tops were processed via HempTrain™, the material was separated into bast fiber, hurd fiber, and a green microfiber stream (GMF) of all green material (bud leaves, sugar leaves, and fan leaves). Testing determined the GMF fraction to contain **~2x more CBD** than the original tops.

Green Microfiber (GMF)



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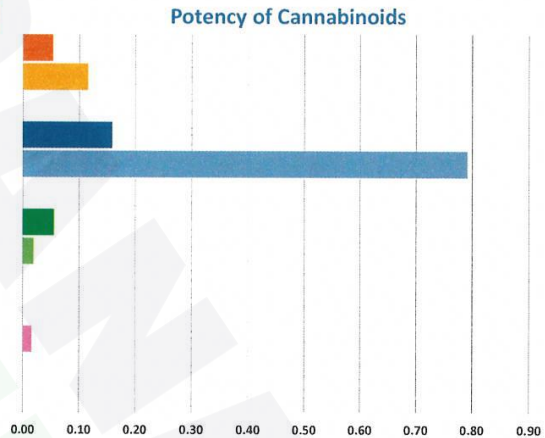
TESTING REPORT

Date Complete: 06-Nov-19
Keystone Job #: 996-191031A
Keystone Assay#: 4033-0296
Sample#: 19-5422
Invoice#: 191368

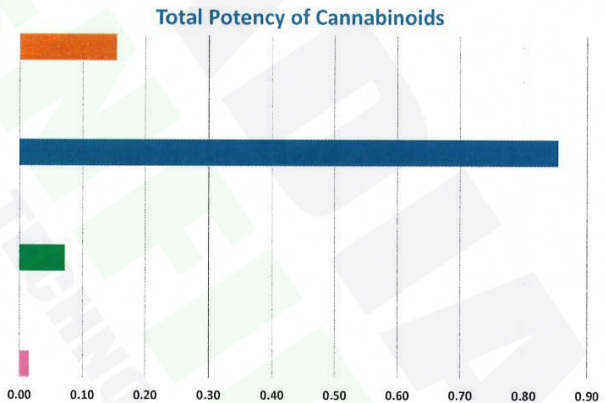
Method: Determination of Phytocannabinoids in Cannabis by High Pressure Liquid Chromatography (HPLC)

Sample Name: CGT_20191025_gmf

Cannabinoid	Percentage (%) (w/w)	mg/g
Δ9-THC	0.05	0.52
THC-A	0.12	1.16
CBD	0.16	1.59
CBD-A	0.79	7.92
CBG	0.05	0.55
CBG-A	0.02 BQL	0.20
CBN	0.00	0.00
CBC	0.02 BQL	0.16
THCV	0.00	0.00
CBDV	0.00	0.00



Cannabinoid	Total Percentage (%) (w/w)	mg/g
THC - Total	0.15	1.54
THCV - Total	0.00	0.00
CBD - Total	0.85	8.54
CBDV-Total	0.00	0.00
CBG - Total	0.07	0.72
CBN - Total	0.00	0.00
CBC - Total:	0.02 BQL	0.16



NOTES:

1. BQL = Below Quantitation Limit, for information purposes only.
2. Total Percentage is calculated using a conversion factor. A conversion factor of 0.877 is used for adjustment of the molar mass of THC-A and CBD-A; a conversion factor of 0.878 is used for CBG-A; both after decarboxylation. These conversion factors were not applied to other cannabinoids.

Ahona Mostafiz, Testing Services

Michelle Zimmer, Quality Assurance



Collected Dried Tops



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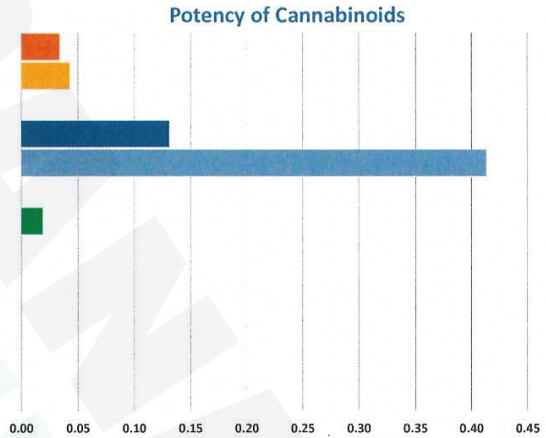
TESTING REPORT

Date Complete: 06-Nov-19
Keystone Job #: 996-191031A
Keystone Assay#: 4033-0296
Sample#: 19-5423
Invoice#: 191368

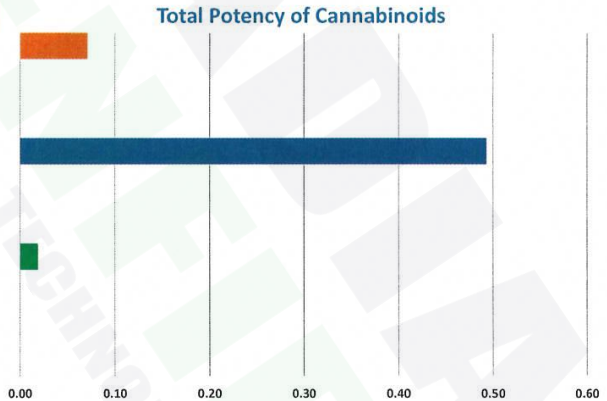
Method: Determination of Phytocannabinoids in Cannabis by High Pressure Liquid Chromatography (HPLC)

Sample Name: CGT_20191025_straw

Cannabinoid	Percentage (%) (w/w)	mg/g
Δ9-THC	0.03 BQL	0.33
THC-A	0.04 BQL	0.43
CBD	0.13	1.30
CBD-A	0.41	4.13
CBG	0.02 BQL	0.19
CBG-A	0.00	0.00
CBN	0.00	0.00
CBC	0.00	0.00
THCV	0.00	0.00
CBDV	0.00	0.00



Cannabinoid	Total Percentage (%) (w/w)	mg/g
THC - Total	0.07 BQL	0.71
THCV - Total	0.00	0.00
CBD - Total	0.49	4.93
CBDV-Total	0.00	0.00
CBG - Total	0.02 BQL	0.19
CBN - Total	0.00	0.00
CBC - Total:	0.00	0.00



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