



Differentiation of Cannabis
in Sri Lanka between
Drug type and Fiber type

UCFS



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by

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Dissertation submitted in partial fulfillment of the requirements for
the Masters degree in Analytical Chemistry

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March 2011

Abstract

The major Cannabinoids (THC, CBN and CBD) content of 72 seizures of illicit Cannabis products from Western, Southern, Sabaragamuwa, North Central, North Western, Eastern, Central and Uva provinces was determined using gas chromatography. This procedure results in the conversion of THC acid to THC itself and thus gives the total THC contents and its oxidized product, Cannabinol (CBN) and Cannabidiol (CBD) contents of the material, were analyzed statistically. This statistical study was carried out thus enabling comparison to be made on the THC levels of samples from different provinces. The %THC contents of samples was between 3.2 - 7.2 was higher than %CBD which was between 2.0 - 3.0, within 95% confidence intervals hence all Cannabis samples analyzed were of "Drug type". The highest THC content was obtained from North Central province and the lowest from Uva Province. There was a noticeable increase in %THC content in North Central province during the last seven years with the change of climatic conditions.