

QUANTITATIVE DETERMINATION
OF MAJOR CANNABINOIDS IN DIFFERENT PARTS OF
SRI LANKAN CANNABIS PLANT (Cannabis sativa L)
BY GAS CHROMATOGRAPHY

by

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ABSTRACT

A Gas chromatographic technique, based on temperature programme with capillary column is described for the Quantitative determination of cannabinoids from various parts of the Cannabis sativa L plant. The peaks of the main cannabinoids, cannabidiol(CBD) Tetrahydrocannabinol(THC) and cannabinol (CBN) were present on all chromatograms as in the range of

- (i) (0.13%-0.86%), (0.65%-4.04), (0.23%-1.24%)
in the flowering tops respectively.
- (ii) (0.10%-0.36%), (0.08%-0.88%), (0.09%-0.36%)
in the leaves respectively.
- (iii) (0.01%-0.05%) (0.06%-0.12), (0.03-0.08%)
in the stems respectively.
- (iv) Trace levels in the seeds

The amount of Tetrahydrocannabinol is found to be high in the flowering tops compare to other parts of the plant.