

"EXTRACTABLE NICOTINE" - REAPPRAISAL OF
EXPERIMENTAL PROCEDURE

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(Laboratory Report No. L.238-R)

SUMMARY

The experimental procedure used to determine the "extractable nicotine" content of tobacco or smoke has been modified. Although the precision has been improved, it still has a 10-20% variation.

The modified method has been applied to a number of different types of tobacco and smoke. The results of these analyses suggest that, for the smoke samples examined, there is a linear correlation between the percentage of "extractable nicotine" and the pH of the aqueous phase obtained after extraction with chloroform.

This observation is of some interest, and warrants further study using a wide range of commercial cigarettes.

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