

A RAPID METHOD FOR THE DETERMINATION OF
BENZO[a]PYRENE IN SMOKE

LABORATORY REPORT NO. L.253-R

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A RAPID METHOD FOR THE DETERMINATION OF
BENZO[a]PYRENE IN SMOKE

(Laboratory Report No. L.253-R)

SUMMARY AND CONCLUSIONS

A rapid method is described for the determination of benzo[a]pyrene in cigarette smoke. The method is sensitive to nanogram ($1 \text{ ng} = 10^{-9} \text{ gm}$) quantities of benzpyrene and can be used to analyse the smoke from forty cigarettes.

From an examination of a limited number of samples it is concluded that the method is reproducible ($\pm 2 \text{ ng}$ per cigarette) and gives results for the delivery of benzpyrene that are in reasonable agreement with those obtained by earlier methods.

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