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THE DETERMINATION OF CARBON
MONOXIDE IN TOBACCO SMOKE

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SUMMARY

A method has been established for the quantitative determination of carbon monoxide in cigarette smoke. Smoke from several cigarettes was sampled for analysis by gas-solid chromatography to determine the carbon monoxide content. The method has been employed routinely with a coefficient of variation of 8%.

Several Australian brands and experimental cigarettes have been analysed. The following cigarette parameters were found to be beneficial in reducing the carbon monoxide concentration in tobacco smoke :

- (1) Venting.
- (2) High porosity cigarette paper.
- (3) Vented cork paper.
- (4) "Hopcalite" as filtering material.

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