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SOUTHAMPTON.

EDM/RA/46D

AMES MUTAGENIC ACTIVITY OF MAINSTREAM  
SMOKE CONDENSATE: A COMPARISON OF  
SELECTED U.S. AND EUROPEAN  
COMMERCIAL CIGARETTES

REPORT NO. T.192 RESTRICTED

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AUTHOR: E.D. Massey  
CO-WORKERS: A.E. Hill  
K.K. Kalirai  
SECTION LEADER: T.G. Mitchell

ISSUED BY: R.R. Baker

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SUMMARY

The Ames *Salmonella typhimurium* TA98 mutagenic activity of mainstream cigarette smoke condensate of a range of U.S. products including the low circumference product Capri and some European products have been compared.

The activity of the condensate from Capri did not differ greatly from the other U.S. products or Marlboro from Germany or Switzerland. In agreement with previous data the U.K. based Virginia products were lower in activity than the U.S. blended products.

When the Capri cigarette design had no filter ventilation, the Ames activity was reduced by 18%.

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KEY WORDS

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