

Research & Development	
Revd:	13 JAN 1972
.....
.....
.....

EVALUATION OF JOBS FILTERS

REPORT NO.: T.44

DECEMBER, 1971

AUTHOR: T.I. Wilson

ISSUED BY: A.R. Fraser

JOB NO.: 5155

DISTRIBUTION:

Mr. G.A. Preston/Mr. P.M. Denton	Copy No. 1
Mr. N.F. Emery	" " 2
Sir Charles Ellis, F.R.S.	" " 3
Dr. S.J. Green, (3)	" " 4, 5, 6
Dr. D.G. Felton	" " 7
Dr. I.W. Hughes	" " 8
Dr. R.A. Sanford (2)	" " 9, 10
Mr. R.S. Waide (2)	" " 11, 12
Herrn H.E. Sottorf (2)	" " 13, 14
Mr. J.E. Sismey	" " 15
Mr. S.K. Keshava	" " 16
R. & D.D. Library (2)	" " 17, 18

COPY NO.: 6

107470029

SUMMARY

A new filter, called the JOB S filter, has been evaluated. The filter consists of sheets of cellulose wadding and corrugated paper, curved into a continuous S shape within the cylindrical tube.

The filtration efficiency was the same as that of a cellulose acetate filter having a similar pressure drop while its weight was 35% greater.

It showed no selective filtration for vapour phase constituents or phenol and it reduced the extractable nicotine level in the smoke.

Subjective evaluation indicated that the smoke from JOB S filters was similar to that from acetate filters.

It is not considered that this filter shows much promise for the Australian market.

107470030