

*Lorillard*

MEMORANDUM

August 9, 1971

To: Mr. C. L. Tucker, Jr.  
From: J. H.M. Bohlken  
Subject: Ecusta Cigarette Paper

At a conference held in the Research Center, Mr. W. F. Owens, Ecusta Paper Division representative, brought to our attention a cigarette paper that would reduce the Dry Particulate Matter of the filtered smoke significantly over that of standard cigarette paper.

After some discussion, it was suggested and requested that Ecusta send to us a sample of this special cigarette paper for our evaluation. The sample bobbin of the Ecusta paper to be labeled TOD-04263. The sample and control bobbins both shall be produced from reference 553 cigarette paper.

The sample and control bobbins, when received, were used in the manufacture of Kent 85mm cigarettes. A cigarette sample of each was collected at random and smoked in the usual manner. The smoking results derived are tabulated as follows:

<u>Sample No.</u>	<u>8014</u>	<u>8015</u>
<u>Description</u>	<u>Ecusta TOD-04263</u>	<u>Ecusta Ref.553-Control</u>
Weight - Control	.898	.901
- Filter	1.037	1.028
Draw - Control	0.50	0.49
- Filter	0.25	0.24
D.P.M. - Control	25.6	27.1
- Filter	14.5	16.1 - 1.6 Diff.
- Percent Removal	43.4	40.6
Nicotine-Control	1.45	1.54
Filter	.94	1.01
Percent Removal	35.2	34.4
C.P.M.	13.6	15.1 - 1.5 Diff.
Smoking- Control	8.4	8.7
Time - Filter	8.6	8.6
Butt Length	27.5	27.5

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Upon review of the smoking data presented in the table, it is apparent that the Dry Particulate Matter in the filtered smoke for sample 8014 was reduced approximately 1.6 mgs. over that of the control sample 8015. A value that substantiates Mr. W. F. Owen's original claim.

The Kent tobacco used for these two samples was definitely on the mild side. The Dry Particulate Matter for the controlled smoke was lower than the present value of 30.2 mgs.-Reference-Summary of smoke analysis on production cigarettes for the period ending June 25, 1971. The tar percent removal for the control sample 8015 was identical to present production Kents, which confirms the filters performance.

In other words, if we should desire a reduction in the D.P.M. of the filtered smoke, everything else remaining status quo, then it could be achieved through the use of this specially treated Ecusta TOD 04253 cigarette paper.

A cigarette smoke panel at this time is evaluating these two Kent 85mm samples for preference and difference. As soon as all data is collected and analyzed, it shall be forwarded on to your attention.

If the writer can be of any further assistance relative to this evaluation, please advise.



J. H. M. Bohlken

JHMB/njw

Xc: ✓ Dr. A. W. Spears  
Dr. S. T. Jones  
Mr. W. D. Okerson  
Mr. R. A. Wagner

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