

TO: Mr. F. E. Resnik

DATE: June 24, 1964

FROM: Charles Varsel

SUBJECT: Gas Phase Deliveries of Devon Cigarettes (DV-6X4EI)

The gas phase deliveries of Devon cigarettes (DV-6X4EI) were determined before and after 11 days of accelerated aging: seven days hot-dry and four days hot-wet. The delivery of most gas phase components decreased after storage as can be seen in the accompanying table. This is converse to our findings with the carbon-filtered Paxton cigarettes Y6A4CP, PX6A4CZ, PX6A4DA, and PX6A4DB.

The gas phase index of these filters, prior to the accelerated aging, was 45%. The gas phase indices of individual plugs were quite variable; 34-56%. These indices were determined via the infrared-synthetic mixture technique.

Gas Phase Delivery
of Devon Cigarettes
DV 6X4EI

Date Received	4-13-64	4-13-64	
Date Analyzed	5-22, 26, 27-64 (Initial)	6-4-64 (After storage)	
Class Index	µg l cigarette		% Decrease in Delivery
Monobenzenoids	150 ± 11	124 ± 17	17
Monolefins	1033 ± 46	815 ± 49	21
Dienes	656 ± 14	555 ± 29	15
Ketones	666 ± 52	546 ± 39	18
Acetylenics	64 ± 1	43 ± 2	33
Aldehyde	518 ± 37	514 ± 41	1
Hydrogen Cyanide	136 ± 12	119 ± 8	13

/sjm

C64-00799

C. Varsel

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