

January 12, 1972

MEMO RE: Blend Changes to Adjust Scrap Inventory  
and Increase Usage of G-7;  
Tobacco Processing Division Test No. TPD-54

Test No. TPD-54 was made to adjust the scrap inventory and evaluate the possibility of increasing the usage of G-7 in the cigarette blends.

Analytical comparison of control and test G-7's was satisfactory. Camel, Winston, and Salem cigarettes were made using blends as listed below:

CAMEL

	<u>L-4734A (Control)</u>	<u>L-4734B (Test)</u>
K4(40% N)	22.00%	22.00%
K4-13	9.43	9.43
C-9	48.45	47.85 (-0.6%)
TB	5.70	5.80 (+0.1%)
M2	2.40	2.40
G-7 (Control)	12.02	
G-7 TPD-54	---	12.52 (+0.5%)

WINSTON KS

	<u>L-4624A (Control)</u>	<u>L-4624B (Test)</u>
KF (40% N)	12.35%	12.35%
KF-13	8.95	8.95
CF	42.91	41.71 (-1.2%)
TB	14.30	14.50 (+0.2%)
G-7 (Control)	21.49	---
G-7 (TPD-54)	---	22.49 (+1.0%)

SALEM KS

	<u>L-4625A (Control)</u>	<u>L-4625B (Test)</u>
KM (40% N)	26.10%	25.62%
KM-13	6.53	6.41 (-0.6%)
CM	34.21	33.61 (-0.6%)
X	1.00	1.00
TB	9.66	9.86 (+0.2%)
M-2	1.00	1.00
G-7 (Control)	21.50	---
G-7 (TPD-54)	---	22.50 (+1.0%)

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Pertinent data from analytical and physical testing are as follows:

	<u>Camel</u>		<u>Winston</u>		<u>Salem</u>	
	<u>L-4734A</u>	<u>L-4734B</u>	<u>L-4624A</u>	<u>L-4624B</u>	<u>L-4625A</u>	<u>L-4625B</u>
Nicotine, %	2.20	2.14	1.94	1.88	1.86	1.73
Total Sugars, %	10.55	9.99	11.86	11.07	12.28	12.02
Menthol, %					0.30	0.28
<u>Smoke Analysis:</u>						
Puffs/Cigt.	8.0	7.9	9.7	9.8	9.9	9.3
Nicotine, mg./cigt.	1.68	1.72	1.43	1.45	1.36	1.32
FTC "tar" mg/cigt.	23.9	24.0	20.5	21.0	20.5	20.5
Menthol, mg./cigt.					0.48	0.46

Listed below are the results of Company-wide pack tests on the three brands:

CAMEL

	<u>L-4734A</u>	vs.	<u>L-4734B</u>	<u>N.D.</u>	<u>Analysis</u>
Preference	28		28	24	N.S.D. (.0000 C.L.)
Mildness	26		25	29	N.S.D. (.0876 C.L.)
Flavor	23		24	33	N.S.D. (.0876 C.L.)

WINSTON

	<u>L-4624A</u>	vs.	<u>L-4624B</u>	<u>N.D.</u>	<u>Analysis</u>
Preference	80		76	70	N.S.D. (.2138 C.L.)
Mildness	66		83	77	N.S.D. (.7416 C.L.)
Flavor	69		73	84	N.S.D. (.2138 C.L.)

SALEM

	<u>L-4625A</u>	vs.	<u>L-4625B</u>	<u>N.D.</u>	<u>Analysis</u>
Preference	48		63	37	N.S.D. (.7814 C.L.)
Mildness	43		62	43	N.S.D. (.8812 C.L.)
Flavor	46		44	59	N.S.D. (.1272 C.L.)
Menthol Taste	51		48	49	N.S.D. (.1974 C.L.)

*R. H. C.*  
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