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ANALYSIS OF THE SMOKE OF COMPETITIVE BRAND CIGARETTES  
(Filter-Tipped)

Nicotine and total solids-in-smoke determinations were made on WINSTON, SALEM, and eight competitive brands of filter-tipped cigarettes purchased March 22, 1963. These analyses were made on the smoke of ten brands of filter-tipped cigarettes, and on the smoke of these same brands after cutting off the filters. Smoke analysis values and certain other data are recorded in the following table. The smoke values are expressed in milligrams per cigarette. Fifty millimeters of each cigarette were burned.

The smoke of WINSTON cigarettes is somewhat lower in both nicotine and total solids. Nicotine is slightly lower in the smoke of both Viceroy and Newport cigarettes. The smoke values obtained on L&M and Filter Kool cigarettes are significantly lower in nicotine. The smoke of Filter Kool cigarettes is also somewhat lower in total solids.

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Brand	Factory No.	Date of Manuf.	Cigt. Length	Filter Length	Draft Resistance		Cigt. in. Tob.	Nicotine %	Paper Porosity sec.	Burning Rate mg./min.	Smoke Values				
					Filter in.	Complete Cigt. in.					Without Filter mg.	With Filter mg.	Reduction By Filter %	Without Filter mg.	Total Solids mg.
WINSTON	4-1	March 7	85	17	1.85	3.69	1.67	31.8	58.8	1.68	1.07	36.3	23.2	14.7	36.6
Viceroy		March	85	17	1.59	3.56	1.76	62.7	56.3	1.76	1.09	38.1	24.6	15.2	38.2
Marlboro		March	85	20	2.22	4.02	1.79	36.4	65.4	1.56	0.94	39.7	24.2	14.7	39.3
Kent		March	85	17	2.50	4.46	1.41	38.9	60.1	1.25	0.70	44.0	22.1	12.4	43.9
LANE		March	85	17	2.15	4.14	1.40	27.2	64.1	1.32	0.78	40.9	25.6	14.9	41.8
Tareyton		March	85	15	1.64	3.63	1.51	64.5	57.6	1.60	1.01	36.9	25.6	16.2	36.7
SALER	1-5	March 7	85	17	1.88	3.70	1.84	27.8	59.1	1.89	1.18	37.6	27.4	16.8	38.7
Filter Kool		March	85	20	1.83	4.28	2.07	67.9	52.5	2.13	1.25	41.3	27.1	16.4	39.5
Newport		March	85	17	1.78	4.02	1.41	42.0	65.1	1.12	0.70	37.5	19.5	12.2	37.4
Belair		March	85	20	1.34	3.48	2.06	60.8	52.9	1.98	1.35	31.8	28.2	18.8	33.3

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