



**Report of "Tar," Nicotine, and Carbon Monoxide of the
Smoke of 1262 Varieties of Domestic Cigarettes
For the Year 1996**

This report contains data on the "tar," nicotine, and carbon monoxide yields of 1262 varieties of cigarettes manufactured and sold in the United States in 1996.¹

Limitations of the Cigarette Test Method

Cigarette ratings for "tar," nicotine and carbon monoxide are currently determined by machine testing conducted in accordance with a methodology adopted by the Commission in 1967. The "tar" and nicotine testing program was intended to provide smokers seeking to switch to lower "tar" cigarettes with a single, standardized measurement with which to choose among the then-existing brands.²

¹ This report is another in a series that the Federal Trade Commission (FTC) has prepared since 1967.

² When the test method was adopted, the public health community believed that "[t]he preponderance of scientific evidence strongly suggests that the lower the "tar" and nicotine content of cigarette smoke, the less harmful would be the effect." U.S. Dep't of Health and Human Services, *The Health Consequences of Smoking: The Changing Cigarette* 1 (1981) (quoting 1966 Public Health Service statement).

rely on the ratings it produces as indicators of how much "tar" and nicotine they actually get from their cigarettes. In fact, the current ratings tend to be relatively poor predictors of "tar" and nicotine exposure. This appears to be due primarily to compensation -- the tendency of smokers of lower rated cigarettes to take bigger or more frequent puffs, or otherwise alter their smoking behavior to get the amount of nicotine they need. Such variations in the way people smoke can have significant effects on the amount of "tar," nicotine, and carbon monoxide they get from any particular cigarette. The

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³ *Smoking and Tobacco Control Monograph 8: Changes in Cigarette-Related Disease Risk*
(continued...)

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and Their Implications for Prevention and Control, National Institutes of Health, National Cancer Institute (1997).

⁴ See Thun, M.J., et al., "Cigarette Smoking and Changes in the Histopathology of Lung Cancer," 89 *J. of the Nat'l Cancer Inst.* 1580 (1997); Ernster, V.L., "The Epidemiology of Lung Cancer in Women," 4 *Annals of Epidemiology* 102 (1994); Levi, F.S., et al., "Lung Carcinoma Trends by Histologic Type in Vaud and Neuchatel, Switzerland, 1974-1994," 79 *Cancer* 906 (1997).

⁵ Among other things, HHS's review is designed to reconcile the findings of recent studies suggesting that cigarettes with lower "tar" ratings may not be less harmful with the findings of other studies suggesting that there may be some risk reduction from the use of lower "tar" cigarettes. See Parish, H., et al., "Cigarette smoking, tar yields, and non-fatal myocardial infarction: 14,000 cases and 32,000 controls in the UK," 311 *Brit. Med. J.*

- C How much "tar" and nicotine an individual gets from a cigarette depends on how he or she smokes it – smokers of cigarette brands with lower "tar" and nicotine ratings who take larger or more frequent puffs may get as much "tar" and nicotine as smokers of higher rated brands;
- C Many cigarettes have ventilation holes that, when blocked, substantially increase exposure to the harmful constituents in smoke;
- C There is no such thing as a safe smoke, no matter what the "tar" and nicotine ratings are; and
- C People who are concerned about the health effects of smoking should quit.

The Commission also believes it is vital that there be a mechanism for implementing the recommended changes once the HHS review is completed. Although the Commission brings a strong, market-based expertise to its scrutiny of consumer protection matters, it does not have the specialized scientific expertise needed to design scientific test procedures. Indeed, when evaluating medical or other scientific issues, the Commission often relies on other government agencies and outside experts with more knowledge in the relevant areas. Therefore, in its July 1999 "Report to Congress for 1997, Pursuant to the Cigarette Labeling and Advertising Act," the Commission recommended that Congress consider giving authority over cigarette testing to one of the Federal government's science-based, public health agencies.

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The Tobacco Institute Testing Laboratory (TITL), a private laboratory operated by the cigarette industry, conducted much of the "tar," nicotine, and carbon monoxide testing for these varieties.⁶ The Commission collected the results of the TITL testing directly from the individual companies under compulsory process. Generic, private label, and other brands not widely available were not tested by TITL. The Commission obtained the information on these other brands directly from the manufacturers, pursuant to compulsory process. Results of such non-TITL testing are indicated by asterisks. The methodology, processes, and procedures that the five cigarette companies and TITL employ are identical to those the Commission, in its own testing lab, had followed in the past.⁷ Harold Pillsbury, the former director of the FTC laboratory and currently a contractor to the Commission, had unrestricted access to the TITL laboratory to review TITL's testing methodology and protocols and to monitor the actual testing process. TITL provided the results to the respective cigarette companies, which then provided TITL's data regarding their own brands to the Commission in response to compulsory process.

⁶ In early 1999, the Tobacco Institute was disbanded pursuant to the multi-state tobacco settlement. The Tobacco Institute Testing Laboratory's facilities have continued operation under the name Tobacco Industry Testing Laboratory.

⁷ The Commission decided in early 1987 to close its laboratory. The Commission found that closing the laboratory was necessary for several reasons: chiefly, the cost of the laboratory was significant, and the Commission would have had to commit significant additional funds to continue the program. The Commission was also persuaded that the information could be obtained from other sources, and other means were available to verify the accuracy of industry testing results.

⁸ On April 13, 1983, the Commission announced it had determined that its testing methodology understated the measured deliveries for Brown & Williamson's Barclay cigarettes. Therefore, Barclay cigarettes were removed from the Commission's reports for "tar," nicotine, and carbon monoxide until a new, accurate methodology could be tested and adopted. The Commission found that there was also a significant likelihood that the same problem existed with two other Brown & Williamson varieties -- Kool Ultra and Kool Ultra 100's.

On July 25, 1986, the Commission informed Brown & Williamson that as a result of a review of data presented by Brown & Williamson regarding "tar" and nicotine rating for two varieties of

1965, as modified by F.J. Schultz' and A.W. Spears' report published in Tobacco Vol. 162, No. 24, page 32, dated June 17, 1966, to determine the moisture content;

5. Determine and report the "tar" yield after subtracting moisture and alkaloids (as nicotine) from particulate matter;
6. Report "tar" yield to the nearest whole milligram and nicotine yield to the nearest 1/10 milligram.⁹

TITL reported, and the FTC's contractor confirmed, that an independent company under contract to TITL obtained the tested cigarette samples. Under its contract, this company purchased two packages of every variety of cigarettes in 50 geographical locations throughout the United States. If not all varieties were available in every location, one or more additional packages of cigarettes were purchased in the areas where the respective varieties were available. Cigarettes used in the test represented cigarettes sold in the U.S. at the time of purchase in 1996.

"Tar" and carbon monoxide ratings are rounded to the nearest milligram (mg.); those with 0.5 mg. or greater are rounded up, while those with 0.4 mg. or less are rounded down. The nicotine figures are

⁹ The Commission's 1980 announcement, 45 Fed. Reg. 46,483 (1980), adopted a new testing methodology to determine cigarettes' carbon monoxide (CO) yields, and modified the existing specifications for determining nicotine yields:

1. Determine CO concentration using a 20-port smoking machine described by H.C. Pillsbury and G. Merfeld at the 32nd Tobacco Chemists Research Conference, October 1978;
2. The concentration of CO will be reported as milligrams per cigarette;
3. The present method for "tar" and nicotine determination will be modified to use the method described in an article entitled, "Gas Chromatographic Determination of Nicotine Contained on Cambridge Filter Pads," by John R. Wagner, et al., as presented at the annual meeting of the Association of Official Analytical Chemists, October 1978.

¹⁰ Several issues should be noted with regard to the collection and tabulation of the data in Table 1. First, the underlying "tar" and nicotine ratings were obtained using smoking machine parameters (puff frequency, puff volume, etc.) that have not changed since they were first adopted in 1967. Although this consistency allows for comparison of the data over time, it also means that the test has not been modified to reflect possible changes in the way people smoke. For example, research indicates that smokers of lower rated cigarettes may tend to smoke them more intensively than they smoke cigarettes with higher ratings. Thus, while Table 1 suggests a decline in average "tar" and nicotine yields of cigarettes, this might not correspond to a similar reduction in "tar" and nicotine ingestion by smokers.

Second, the source of the data in Table 1 has changed over time. From 1967 through 1985, the Commission's laboratory provided practically all of the "tar" and nicotine ratings reported by the Commission. As noted supra, the Commission decided in 1987 to close its cigarette testing laboratory. Since then, the Tobacco Institute Testing Laboratory has continued to test most branded cigarettes; the companies report the results to the Commission pursuant to compulsory process and the Commission publishes the results. The companies test their own generic and private label cigarettes -- which today represent a significant part of the overall cigarette market -- brands not widely available, and new

¹⁰(...continued)

were incorporated as needed into the database that was used to compute the sales-weighted "tar" and nicotine figures in Table 1.

Finally, when the FTC created its computerized database for "tar" and nicotine figures in 1982, various problems resulted in missing observations for between four and eight percent of the data for the years 1982 through 1984. Although these missing observations do not appear to generate systemic biases in the data, they suggest that the data in Table 1 may be more useful for gauging long term trends than for evaluating changes over very short time spans.

TABLE 2**VARIETIES WITH THE LOWEST "TAR" YIELD**

| Brand Name | Description | | | | | Tar | Nic | CO |
|-------------------|--------------------|---|----|----------|---------|------------|------------|-----------|
| Carlton | King | F | HP | Ultra-Lt | | <.5 | <.05 | <.5 |
| Now | 100 | F | HP | | | <.5 | <.05 | <.5 |
| Now | King | F | HP | | | <.5 | <.05 | <.5 |
| Carlton | 100 | F | HP | Lt | | 1 | 0.1 | 1 |
| Bristol | King | F | SP | Lowest | | 1 | 0.1 | 1 |
| Carlton | 100 | F | HP | Lt | Menthol | 1 | 0.1 | 1 |
| Carlton | King | F | SP | Lt | | 1 | 0.1 | 1 |
| Carlton | King | F | SP | Lt | Menthol | 1 | 0.1 | 2 |
| Now | King | F | SP | | Menthol | 1 | 0.1 | 2 |
| Now | King | F | SP | | | 1 | 0.1 | 2 |
| Carlton | King | F | HP | Lt | | 1 | 0.1 | 2 |
| Merit | King | F | SP | Ultima | | 1 | 0.1 | 3 |
| Merit | King | F | HP | Ultima | | 1 | 0.1 | 3 |
| Cambridge | King | F | SP | Lowest | | 1 | 0.2 | 2 |

NOTE: F - Filter, HP - Hard Pack, SP - Soft Pack, Lt - Light

TABLE 3**VARIETIES WITH THE HIGHEST "TAR" YIELD**

| Brand Name | Description | | | | Tar | Nic | CO |
|---------------------|--------------------|----|----|----------|------------|------------|-----------|
| Basic | King | NF | SP | | 27 | 1.8 | 15 |
| Commander | King | NF | SP | | 27 | 1.7 | 15 |
| Bristol | King | NF | SP | | 26 | 1.7 | 15 |
| English Ovals | King | NF | HP | | 25 | 2.0 | 15 |
| Old Gold | King | NF | SP | Straight | 25 | 1.7 | 18 |
| Lucky Strike | King | NF | SP | | 25 | 1.6 | 17 |
| Class A Dlx* | King | NF | SP | FF | 25 | 1.5 | 17 |
| Gen/Private Label* | King | NF | SP | FF | 25 | 1.5 | 17 |
| Tareyton, Herbert | King | NF | SP | | 25 | 1.5 | 17 |
| Class A* | King | NF | SP | FF | 25 | 1.5 | 17 |
| Camel | Reg | NF | SP | | 24 | 1.7 | 16 |
| Players | Reg | NF | HP | | 24 | 1.7 | 14 |
| Shield* | King | NF | SP | Generic | 24 | 1.6 | NA |
| Premium Buy* | King | NF | SP | Generic | 24 | 1.6 | NA |
| Top Choice* | King | NF | SP | Generic | 24 | 1.6 | NA |
| Best Buy* | King | NF | SP | Generic | 24 | 1.6 | NA |
| Genco* | King | NF | SP | Generic | 24 | 1.6 | NA |
| Gridlock* | King | NF | SP | Generic | 24 | 1.6 | NA |
| Shenandoah* | King | NF | SP | Generic | 24 | 1.6 | NA |
| All American Value* | King | NF | SP | | 24 | 1.6 | NA |
| Bronson* | King | NF | SP | Generic | 24 | 1.6 | NA |
| Generals* | King | NF | SP | Generic | 24 | 1.6 | NA |
| Pall Mall* | Reg | NF | SP | | 24 | 1.4 | 16 |
| Pall Mall | King | NF | SP | | 24 | 1.4 | 16 |
| Chesterfield | King | NF | SP | FF | 24 | 1.3 | 18 |
| Pyramid | King | NF | SP | FF | 24 | 1.3 | 18 |

NOTE:

NF - Non-Filter, HP - Hard Pack, SP - Soft Pack, FF - Full Flavor

* indicates brand tested by the manufacturer rather than by TITL.

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| Brand Name | Description | | | | | Tar | Nic | CO |
|---------------------|--------------------|----|----|----------|---------|------------|------------|-----------|
| All American Value* | 100 | F | SP | FF | | 16 | 1.0 | NA |
| All American Value* | 100 | F | SP | Lt | | 11 | 0.7 | NA |
| All American Value* | 100 | F | SP | Lt | Menthol | 11 | 0.8 | NA |
| All American Value* | 100 | F | SP | Ultra-Lt | | 6 | 0.5 | NA |
| All American Value* | King | F | SP | FF | | 16 | 1.0 | NA |
| All American Value* | King | F | SP | Lt | | 11 | 0.7 | NA |
| All American Value* | King | F | SP | Lt | Menthol | 11 | 0.7 | NA |
| All American Value* | King | F | SP | Ultra-Lt | | 6 | 0.5 | NA |
| All American Value* | King | NF | SP | | | 24 | 1.6 | NA |
| Alpine | 100 | F | SP | | Menthol | 16 | 1.1 | 14 |
| Alpine | King | F | HP | | Menthol | 16 | 1.0 | 15 |
| Alpine | King | F | SP | | Menthol | 16 | 1.1 | 15 |
| Alpine Lights | 100 | F | SP | Lt | Menthol | 9 | 0.7 | 11 |
| Alpine Lights | King | F | HP | Lt | Menthol | 9 | 0.7 | 10 |
| Alpine Lights | King | F | SP | Lt | Menthol | 9 | 0.7 | 10 |
| American Filters | 100 | F | SP | FF | | 16 | 1.2 | 15 |
| American Filters | King | F | SP | FF | | 17 | 1.2 | 15 |
| American Filters* | King | F | HP | FF | | NA | NA | NA |
| American Lights | 100 | F | SP | Lt | | 12 | 1.0 | 13 |
| American Lights | King | F | SP | Lt | | 11 | 0.9 | 12 |
| American Lights* | King | F | HP | Lt | | NA | NA | NA |
| Austin* | 100 | F | SP | FF | | 13 | 0.8 | 17 |
| Austin* | 100 | F | SP | FF | Menthol | 13 | 0.8 | 17 |
| Austin* | 100 | F | SP | Lt | | 9 | 0.6 | 12 |
| Austin* | 100 | F | SP | Lt | Menthol | 9 | 0.6 | 11 |
| Austin* | 100 | F | SP | Ultra-Lt | | 4 | 0.3 | 8 |
| Austin* | King | F | HP | FF | | 14 | 0.8 | 15 |
| Austin* | King | F | HP | Lt | | 10 | 0.6 | 12 |
| Austin* | King | F | SP | FF | | 14 | 0.8 | 16 |
| Austin* | King | F | SP | FF | Menthol | 14 | 0.8 | 16 |
| Austin* | King | F | SP | Lt | | 9 | 0.6 | 12 |
| Austin* | King | F | SP | Lt | Menthol | 9 | 0.6 | 12 |
| Austin* | King | F | SP | Ultra-Lt | | 4 | 0.3 | 6 |
| Austin* | King | NF | SP | | | 21 | 1.1 | 17 |
| Barclay* | 100 | F | SP | | | 5 | 0.4 | 4 |
| Barclay* | King | F | HP | | | 3 | 0.2 | 2 |
| Barclay* | King | F | SP | | | 3 | 0.2 | 2 |
| Bargain Buy* | 100 | F | SP | FF | | 13 | 0.8 | 17 |
| Bargain Buy* | 100 | F | SP | FF | Menthol | 13 | 0.8 | 17 |
| Bargain Buy* | 100 | F | SP | Lt | | 9 | 0.6 | 12 |
| Bargain Buy* | 100 | F | SP | Lt | Menthol | 9 | 0.6 | 11 |

Brand Name

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| Brand Name | Description | | | | | Tar | Nic | CO |
|-------------------|--------------------|----|----|----------|---------|------------|------------|-----------|
| Cimarron* | King | F | SP | Ultra | | 4 | 0.3 | 6 |
| Cimarron* | King | F | SP | Lt | Menthol | 9 | 0.6 | 12 |
| Cimarron* | King | F | SP | Lt | | 9 | 0.6 | 12 |
| Cimarron* | 100 | F | SP | FF | | 13 | 0.8 | 17 |
| Cimarron* | 100 | F | SP | FF | Menthol | 13 | 0.8 | 17 |
| Cimarron* | 100 | F | SP | Lt | | 9 | 0.6 | 12 |
| Cimarron* | 100 | F | SP | Lt | Menthol | 9 | 0.6 | 11 |
| Cimarron* | 100 | F | SP | Ultra | | 4 | 0.3 | 8 |
| Cimarron* | King | F | HP | FF | | 14 | 0.8 | 15 |
| Cimarron* | King | F | HP | Lt | | 10 | 0.6 | 12 |
| Cimarron* | King | F | SP | FF | | 14 | 0.8 | 16 |
| Cimarron* | King | F | SP | FF | Menthol | 14 | 0.8 | 16 |
| Citation* | King | NF | SP | | | 21 | 1.1 | 17 |
| Citation* | King | F | SP | Ultra | | 4 | 0.3 | 6 |
| Citation* | King | F | SP | Lt | Menthol | 9 | 0.6 | 12 |
| Citation* | King | F | SP | Lt | | 9 | 0.6 | 12 |
| Citation* | 100 | F | SP | FF | | 13 | 0.8 | 17 |
| Citation* | 100 | F | SP | FF | Menthol | 13 | 0.8 | 17 |
| Citation* | 100 | F | SP | Lt | | 9 | 0.6 | 12 |
| Citation* | 100 | F | SP | Lt | Menthol | 9 | 0.6 | 11 |
| Citation* | 100 | F | SP | Ultra | | 4 | 0.3 | 8 |
| Citation* | King | F | SP | FF | | 14 | 0.8 | 16 |
| Citation* | King | F | SP | FF | Menthol | 14 | 0.8 | 16 |
| City* | 100 | F | HP | Lt | | 11 | 0.9 | 13 |
| City* | 100 | F | HP | | | 16 | 1.3 | 16 |
| Class A Dlx* | King | NF | SP | FF | | 25 | 1.5 | 17 |
| Class A Dlx* | King | F | SP | Ultra-Lt | | 5 | 0.4 | 6 |
| Class A Dlx* | King | F | SP | Lt | Menthol | 11 | 0.7 | 14 |
| Class A Dlx* | King | F | SP | Lt | | 11 | 0.7 | 14 |
| Class A* | 100 | F | SP | FF | | 16 | 0.9 | 23 |
| Class A* | 100 | F | SP | FF | Menthol | 16 | 0.9 | 23 |
| Class A* | 100 | F | SP | Lt | | 10 | 0.7 | 16 |
| Class A* | 100 | F | SP | Lt | Menthol | 10 | 0.7 | 16 |
| Class A* | 100 | F | SP | Ultra-Lt | | 6 | 0.4 | 8 |
| Class A* | 100 | F | SP | Ultra-Lt | Menthol | 6 | 0.4 | 8 |
| Class A* | King | F | SP | FF | | 15 | 0.8 | 19 |
| Class A* | King | F | SP | FF | Menthol | 15 | 0.8 | 19 |
| Class A* | King | F | SP | Lt | | 11 | 0.7 | 14 |
| Class A* | King | F | SP | Lt | Menthol | 11 | 0.7 | 14 |
| Class A* | King | F | SP | Ultra-Lt | | 5 | 0.4 | 6 |
| Class A* | King | F | SP | Ultra-Lt | Menthol | 5 | 0.4 | 6 |

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| Brand Name | Description | | | | | | Tar | Nic | CO |
|--------------------|--------------------|----|----|----------|---------|------|------------|------------|-----------|
| Director's Choice* | 100 | F | SP | FF | Menthol | | 13 | 0.8 | 17 |
| Director's Choice* | 100 | F | SP | Lt | | | 9 | 0.6 | 12 |
| Director's Choice* | 100 | F | SP | Lt | Menthol | | 9 | 0.6 | 11 |
| Director's Choice* | 100 | F | SP | Ultra-Lt | | | 4 | 0.3 | 8 |
| Director's Choice* | King | F | HP | FF | | | 14 | 0.8 | 15 |
| Director's Choice* | King | F | HP | Lt | | | 10 | 0.6 | 12 |
| Director's Choice* | King | F | SP | FF | | | 14 | 0.8 | 16 |
| Director's Choice* | King | F | SP | FF | Menthol | | 14 | 0.8 | 16 |
| Doral | 100 | F | HP | Lt | | | 11 | 0.7 | 14 |
| Doral | 100 | F | HP | FF | | | 13 | 0.8 | 16 |
| Doral | King | NF | SP | | | | 19 | 1.0 | 16 |
| Doral | King | F | SP | Ultra-Lt | | | 4 | 0.3 | 6 |
| Doral | 100 | F | SP | FF | | | 12 | 0.8 | 17 |
| Doral | 100 | F | SP | FF | Menthol | | 12 | 0.8 | 16 |
| Doral | 100 | F | SP | Lt | | | 10 | 0.7 | 14 |
| Doral | 100 | F | SP | Lt | Menthol | | 10 | 0.7 | 14 |
| Doral | 100 | F | SP | Ultra-Lt | | | 4 | 0.4 | 8 |
| Doral | King | F | HP | FF | | | 14 | 0.8 | 15 |
| Doral | King | F | HP | Lt | | | 8 | 0.6 | 12 |
| Doral | King | F | SP | FF | | | 13 | 0.8 | 16 |
| Doral | King | F | SP | FF | Menthol | | 14 | 0.8 | 16 |
| Doral | King | F | SP | Lt | | | 9 | 0.6 | 12 |
| Doral | King | F | SP | Lt | Menthol | | 8 | 0.6 | 12 |
| Doral* | King | F | HP | FF | Menthol | | 13 | 0.8 | 16 |
| English Ovals | King | NF | HP | | | | 25 | 2.0 | 15 |
| Eve | 100 | F | HP | Slim-Lt | | | 8 | 0.6 | 7 |
| Eve | 120 | F | HP | Ultra-Lt | | Slim | 5 | 0.4 | 5 |
| Eve | 120 | F | HP | Ultra-Lt | Menthol | Slim | 5 | 0.4 | 5 |
| Eve | 120 | F | HP | Lt | Menthol | | 11 | 0.8 | 11 |
| Eve | 120 | F | HP | Lt | | | 10 | 0.8 | 11 |
| Eve* | 100 | F | HP | Lt | Menthol | | 7 | 0.6 | 6 |
| Eve* | 100 | F | HP | Ultra-Lt | | | 5 | 0.5 | 4 |
| Eve* | 100 | F | HP | Ultra-Lt | Menthol | | 6 | 0.6 | 4 |
| Extra Value* | King | NF | SP | | | | 21 | 1.1 | 17 |
| Extra Value* | King | F | SP | Ultra-Lt | | | 4 | 0.3 | 6 |
| Extra Value* | King | F | SP | Lt | Menthol | | 9 | 0.6 | 12 |
| Extra Value* | King | F | SP | Lt | | | 9 | 0.6 | 12 |
| Extra Value* | 100 | F | SP | FF | | | 13 | 0.8 | 17 |
| Extra Value* | 100 | F | SP | FF | Menthol | | 13 | 0.8 | 17 |
| Extra Value* | 100 | F | SP | Lt | | | 9 | 0.6 | 12 |
| Extra Value* | 100 | F | SP | Lt | Menthol | | 9 | 0.6 | 11 |



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| Brand Name | Description | | | | | | Tar | Nic | CO |
|--------------------|--------------------|----|----|----------|---------|------|------------|------------|-----------|
| Horizon* | 100 | F | SP | Lt | Menthol | | 12 | 0.8 | 13 |
| Horizon* | 100 | F | SP | Lt | | | 11 | 0.8 | 12 |
| Icebox* | King | F | HP | FF | Menthol | | 19 | 1.3 | 18 |
| Icebox* | King | F | HP | Lt | Menthol | | 11 | 0.9 | 13 |
| Jacks* | King | NF | SP | | | | 21 | 1.1 | 17 |
| Jacks* | King | F | SP | Ultra-Lt | | | 4 | 0.3 | 6 |
| Jacks* | King | F | SP | Lt | Menthol | | 9 | 0.6 | 12 |
| Jacks* | King | F | SP | Lt | | | 9 | 0.6 | 12 |
| Jacks* | 100 | F | SP | FF | | | 13 | 0.8 | 17 |
| Jacks* | 100 | F | SP | FF | Menthol | | 13 | 0.8 | 17 |
| Jacks* | 100 | F | SP | Lt | | | 9 | 0.6 | 12 |
| Jacks* | 100 | F | SP | Lt | Menthol | | 9 | 0.6 | 11 |
| Jacks* | 100 | F | SP | Ultra-Lt | | | 4 | 0.3 | 8 |
| Jacks* | King | F | HP | FF | | | 14 | 0.8 | 15 |
| Jacks* | King | F | HP | Lt | | | 10 | 0.6 | 12 |
| Jacks* | King | F | SP | FF | | | 14 | 0.8 | 16 |
| Jacks* | King | F | SP | FF | Menthol | | 14 | 0.8 | 16 |
| Jasmine | 100 | F | HP | Lt | Menthol | Slim | 8 | 0.6 | 8 |
| Jasmine | 100 | F | HP | Lt | | Slim | 8 | 0.6 | 8 |
| Jasmine | 100 | F | HP | FF | | Slim | 10 | 0.7 | 11 |
| Jumbos | King | F | HP | Lt | | | 11 | 0.9 | 12 |
| Jumbos | King | F | HP | | | | 17 | 1.2 | 19 |
| Kamel* | King | F | HP | Lt | | Red | 11 | 0.9 | 13 |
| Kamel* | King | F | HP | | Menthol | | 17 | 1.2 | 16 |
| Kamel* | King | F | HP | | | Red | 16 | 1.2 | 18 |
| Kamel* | King | F | HP | Lt | Menthol | | 12 | 1.0 | 13 |
| Kent | 100 | F | SP | | | | 13 | 1.0 | 13 |
| Kent | King | F | HP | | | | 11 | 0.8 | 12 |
| Kent | King | F | SP | | | | 12 | 0.9 | 13 |
| Kent Golden Lights | 100 | F | HP | Lt | | | 9 | 0.8 | 11 |
| Kent Golden Lights | 100 | F | SP | Lt | | | 9 | 0.8 | 11 |
| Kent Golden Lights | 100 | F | SP | Lt | Menthol | | 9 | 0.8 | 11 |
| Kent Golden Lights | King | F | HP | Lt | | | 8 | 0.7 | 10 |
| Kent Golden Lights | King | F | SP | Lt | | | 8 | 0.7 | 10 |
| Kent Golden Lights | King | F | SP | Lt | Menthol | | 8 | 0.7 | 10 |
| Kent III | 100 | F | HP | Ultra-Lt | | | 5 | 0.5 | 7 |
| Kent III | 100 | F | SP | Ultra-Lt | | | 5 | 0.5 | 6 |
| Kent III | King | F | SP | Ultra-Lt | | | 4 | 0.4 | 4 |
| Kool | 100 | F | SP | Lt | Menthol | | 8 | 0.7 | 9 |
| Kool | 100 | F | SP | Mild | Menthol | | 10 | 0.9 | 11 |
| Kool | 100 | F | SP | Super | Menthol | Long | 17 | 1.3 | 15 |

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| Brand Name | Description | | | | | | Tar | Nic | CO |
|-------------------|--------------------|---|----|----------|---------|-------|------------|------------|-----------|
| Marlboro | King | F | SP | Lt | | | 10 | 0.8 | 11 |
| Marlboro | King | F | SP | Medium | | | 12 | 0.9 | 13 |
| Marlboro | King | F | SP | | | 25-pk | 16 | 1.1 | 15 |
| Marlboro | King | F | SP | Lt | | 25-pk | 10 | 0.8 | 12 |
| Maverick* | 100 | F | SP | | | | 15 | 1.1 | 15 |
| Maverick* | 100 | F | SP | Lt | | | 9 | 0.7 | 10 |
| Maverick* | King | F | HP | | | | 13 | 0.9 | 14 |
| Maverick* | King | F | HP | Lt | | | 10 | 0.7 | 9 |
| Maverick* | King | F | SP | | | | 14 | 1.0 | 14 |
| Maverick* | King | F | SP | Lt | | | 8 | 0.6 | 9 |
| Max | 120 | F | SP | | | | 16 | 1.3 | 17 |
| Max | 120 | F | SP | | Menthol | | 16 | 1.3 | 17 |
| Medley* | King | F | SP | Lt | Menthol | | 10 | 0.7 | NA |
| Merit | 100 | F | HP | Ultima | | | 2 | 0.2 | 4 |
| Merit | 100 | F | HP | Ultra-Lt | | | 5 | 0.5 | 7 |
| Merit | 100 | F | SP | | | | 9 | 0.8 | 11 |
| Merit | 100 | F | SP | | Menthol | | 9 | 0.8 | 10 |
| Merit | 100 | F | SP | Ultima | | | 2 | 0.2 | 4 |
| Merit | 100 | F | SP | Ultra-Lt | | | 5 | 0.5 | 7 |
| Merit | 100 | F | SP | Ultra-Lt | Menthol | | 5 | 0.5 | 7 |
| Merit | King | F | HP | | | | 7 | 0.6 | 9 |
| Merit | King | F | HP | Ultima | | | 1 | 0.1 | 3 |
| Merit | King | F | HP | Ultra-Lt | | | 5 | 0.5 | 6 |
| Merit | King | F | SP | | | | 7 | 0.6 | 9 |
| Merit | King | F | SP | | Menthol | | 7 | 0.6 | 9 |
| Merit | King | F | SP | Ultima | | | 1 | 0.1 | 3 |
| Merit | King | F | SP | Ultra-Lt | | | 4 | 0.4 | 6 |
| Merit | King | F | SP | Ultra-Lt | Menthol | | 4 | 0.4 | 5 |
| Metro | 100 | F | HP | Slim-Lt | Menthol | | 9 | 0.8 | 13 |
| Metro | 100 | F | HP | Lt | | Slim | 9 | 0.8 | 9 |
| Misty Slims | 100 | F | HP | FF | | Slim | 14 | 1.1 | 13 |
| Misty Slims | 100 | F | HP | FF | Menthol | Slim | 14 | 1.1 | 13 |
| Misty Slims | 100 | F | HP | Lt | | Slim | 8 | 0.7 | 8 |
| Misty Slims | 100 | F | HP | Lt | Menthol | Slim | 7 | 0.7 | 7 |
| Misty Slims | 100 | F | HP | Ultra-Lt | | Slim | 5 | 0.5 | 5 |
| Misty Slims | 100 | F | HP | Ultra-Lt | Menthol | Slim | 5 | 0.5 | 5 |
| Misty Slims | 120 | F | HP | Lt | | Slim | 12 | 1.0 | 11 |
| Misty Slims | 120 | F | HP | Lt | Menthol | Slim | 12 | 1.0 | 11 |
| Misty Slims* | 100 | F | HP | Ultra-Lt | | | 6 | 0.5 | 6 |
| Monaco* | 100 | F | SP | FF | | | 13 | 0.8 | 17 |
| Monaco* | 100 | F | SP | FF | Menthol | | 13 | 0.8 | 17 |

"Tar," Nicotine & Carbon Monoxide Report

| Brand Name | Description | | | | Tar | Nic | CO | |
|-------------------|--------------------|----|----|----------|------------|------------|-----------|----|
| Monaco* | 100 | F | SP | Lt | 9 | 0.6 | 12 | |
| Monaco* | 100 | F | SP | Lt | Menthol | 9 | 0.6 | 11 |
| Monaco* | 100 | F | SP | Ultra-Lt | | 4 | 0.3 | 8 |
| Monaco* | King | F | SP | FF | | 14 | 0.8 | 16 |
| Monaco* | King | F | SP | FF | Menthol | 14 | 0.8 | 16 |
| Monaco* | King | F | SP | Lt | | 9 | 0.6 | 12 |
| Monaco* | King | F | SP | Lt | Menthol | 9 | 0.6 | 12 |
| Monaco* | King | F | SP | Ultra-Lt | | 4 | 0.3 | 6 |
| Monaco* | King | NF | SP | | | 21 | 1.1 | 17 |

5 Tc (F) Tj 36 0 TD -0.504 Tc51c (Monaco*) Tj 117 0 TD 0 Tc (King) Tj 45 0 TD 0 Tc51c (c (Monaco*) Tj 117 6 0 TD (17) Tj -463.5 -14.25 TD 0.0729jenthol) T
 004 Tc (SP) Tj 36 0 T5j 36 0 TD (17) Tj708 0 -463.5 -14.2holL

0 TD TD -0.504 Tc (SP) Tj 36 0 T4 Tc (SP) Tj 36 0 TD -0.2505 Tc (Lt) Tj 46 0 TD -0.H-0.5045KingSP

"Tar," Nicotine & Carbon Monoxide Report

| Brand Name | Description | | | | | Tar | Nic | CO |
|------------|-------------|----|----|----------|---------|-----|-----|----|
| Pilot* | King | F | HP | FF | | 14 | 0.8 | 15 |
| Pilot* | King | F | HP | Lt | | 10 | 0.6 | 12 |
| Pilot* | King | F | SP | FF | | 14 | 0.8 | 16 |
| Pilot* | King | F | SP | FF | Menthol | 14 | 0.8 | 16 |
| Pilot* | King | F | SP | Lt | | 9 | 0.6 | 12 |
| Pilot* | King | F | SP | Lt | Menthol | 9 | 0.6 | 12 |
| Pilot* | King | F | SP | Ultra-Lt | | 4 | 0.3 | 6 |
| Pilot* | King | NF | SP | | | 21 | 1.1 | 17 |
| Planet* | King | F | HP | | | 15 | 1.0 | 14 |
| Planet* | King | F | HP | Lt | | 10 | 0.6 | 12 |

"Tar," Nicotine & Carbon Monoxide Report

| Brand Name | Description | | | | Tar | Nic | CO | |
|-------------------|--------------------|----|----|----------|------------|------------|-----------|----|
| Quality Smokes* | 100 | F | HP | Lt | 10 | 0.7 | 12 | |
| Quality Smokes* | 100 | F | SP | FF | 13 | 0.8 | 17 | |
| Quality Smokes* | 100 | F | SP | FF | Menthol | 13 | 0.8 | 17 |
| Quality Smokes* | 100 | F | SP | Lt | 9 | 0.6 | 12 | |
| Quality Smokes* | 100 | F | SP | Lt | Menthol | 9 | 0.6 | 11 |
| Quality Smokes* | 100 | F | SP | Ultra-Lt | 4 | 0.3 | 8 | |
| Quality Smokes* | King | F | HP | FF | 15 | 0.8 | 16 | |
| Quality Smokes* | King | F | HP | Lt | 10 | 0.6 | 12 | |
| Quality Smokes* | King | F | SP | FF | 14 | 0.8 | 16 | |
| Quality Smokes* | King | F | SP | FF | Menthol | 14 | 0.8 | 16 |
| Quality Smokes* | King | F | SP | Lt | 9 | 0.6 | 12 | |
| Quality Smokes* | King | F | SP | Lt | Menthol | 9 | 0.6 | 12 |
| Quality Smokes* | King | F | SP | Ultra-Lt | 4 | 0.3 | 6 | |
| Quality Smokes* | King | NF | SP | | 21 | 1.1 | 17 | |
| Rainbow* | 100 | F | SP | FF | 13 | 0.8 | 17 | |
| Rainbow* | 100 | F | SP | Lt | 9 | 0.6 | 12 | |
| Rainbow* | 100 | F | SP | Lt | Menthol | 9 | 0.6 | 11 |
| Rainbow* | 100 | F | SP | Ultra-Lt | 4 | 0.3 | 8 | |
| Rainbow* | King | F | SP | FF | 14 | 0.8 | 16 | |
| Rainbow* | King | F | SP | Lt | 9 | 0.6 | 12 | |
| Rainbow* | King | F | SP | Lt | Menthol | 9 | 0.6 | 12 |
| Raleigh | 100 | F | SP | | 16 | 1.0 | 15 | |
| Raleigh | 100 | F | SP | Lt | 12 | 1.0 | 12 | |
| Raleigh | King | F | SP | | 16 | 0.9 | 15 | |
| Raleigh | King | F | SP | Lt | 11 | 0.9 | 11 | |
| Raleigh | Reg | NF | SP | Plain | 21 | 1.2 | 14 | |
| Raleigh Extra | 100 | F | SP | | 14 | 0.9 | 16 | |
| Raleigh Extra | 100 | F | SP | Lt | 10 | 0.7 | 13 | |
| Raleigh Extra | 100 | F | SP | Lt | Menthol | 8 | 0.6 | 8 |
| Raleigh Extra | 100 | F | SP | Ultra-Lt | 5 | 0.4 | 6 | |
| Raleigh Extra | King | F | SP | | 15 | 0.9 | 15 | |
| Raleigh Extra | King | F | SP | Lt | 10 | 0.6 | 11 | |
| Raleigh Extra | King | NF | SP | | 22 | 1.2 | 14 | |
| Reno* | 100 | F | SP | FF | 17 | 0.9 | 22 | |
| Reno* | 100 | F | SP | FF | Menthol | 17 | 0.9 | 22 |
| Reno* | 100 | F | SP | Lt | 12 | 0.7 | 17 | |
| Reno* | 100 | F | SP | Lt | Menthol | 12 | 0.7 | 17 |
| Reno* | King | F | SP | FF | 15 | 0.8 | 19 | |
| Reno* | King | F | HP | FF | 15 | 0.8 | 19 | |
| Reno* | King | F | HP | FF | Menthol | 15 | 0.8 | 19 |
| Richland 20's | 100 | F | SP | | 16 | 1.2 | 15 | |

"Tar," Nicotine & Carbon Monoxide Report

| Brand Name | Description | | | | | | Tar | Nic | CO |
|-------------------|--------------------|----|----|----------|---------|---------|------------|------------|-----------|
| Sebring* | 100 | F | SP | Lt | | | 9 | 0.6 | 12 |
| Sebring* | 100 | F | SP | Lt | Menthol | | 9 | 0.6 | 11 |
| Sebring* | 100 | F | SP | Ultra-Lt | | | 4 | 0.3 | 8 |
| Sebring* | King | F | SP | FF | | | 14 | 0.8 | 16 |
| Sebring* | King | F | SP | FF | Menthol | | 14 | 0.8 | 16 |
| Sebring* | King | F | SP | Lt | | | 9 | 0.6 | 12 |
| Sebring* | King | F | SP | Lt | Menthol | | 9 | 0.6 | 12 |
| Sebring* | King | F | SP | Ultra-Lt | | | 4 | 0.3 | 6 |
| Sebring* | King | NF | SP | | | | 21 | 1.1 | 17 |
| Sedona* | King | F | HP | | | | 16 | 1.2 | 16 |
| Sedona* | King | F | HP | Lt | | | 11 | 0.9 | 13 |
| Shenandoah* | 100 | F | SP | | | Generic | 16 | 1.0 | NA |
| Shenandoah* | 100 | F | SP | | Menthol | Generic | 16 | 1.0 | NA |
| Shenandoah* | 100 | F | SP | Lt | | Generic | 11 | 0.7 | NA |
| Shenandoah* | 100 | F | SP | Lt | Menthol | Generic | 11 | 0.8 | NA |
| Shenandoah* | 100 | F | SP | Ultra-Lt | | Generic | 6 | 0.5 | NA |
| Shenandoah* | King | F | SP | | Menthol | Generic | 16 | 1.0 | NA |
| Shenandoah* | King | F | SP | FF | | Generic | 16 | 1.0 | NA |
| Shenandoah* | King | F | SP | Lt | | Generic | 11 | 0.7 | NA |
| Shenandoah* | King | F | SP | Lt | Menthol | Generic | 11 | 0.7 | NA |
| Shenandoah* | King | F | SP | Ultra-Lt | | Generic | 6 | 0.5 | NA |
| Shenandoah* | King | NF | SP | | | Generic | 24 | 1.6 | |

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"Tar," Nicotine & Carbon Monoxide Report

| Brand Name | Description | | | | | Tar | Nic | CO |
|-------------------|--------------------|----|----|----------|---------|------------|------------|-----------|
| Stockton* | King | F | SP | Ultra-Lt | | 4 | 0.3 | 6 |
| Stride* | 100 | F | SP | FF | | 16 | 1.3 | 21 |
| Stride* | King | F | SP | FF | | 14 | 1.1 | 18 |
| Style | 100 | F | HP | Lt | | 11 | 0.9 | 14 |
| Style | 100 | F | HP | Lt | Menthol | 12 | 0.9 | 14 |
| Style | 100 | F | HP | Slim-Lt | | 10 | 0.8 | 11 |
| Style | 100 | F | HP | Slim-Lt | Menthol | 10 | 0.8 | 11 |
| Style | 100 | F | SP | Lt | | 12 | 0.9 | 14 |
| Style | 100 | F | SP | Lt | Menthol | 12 | 0.9 | 14 |
| Summit | 100 | F | SP | FF | | 14 | 0.9 | 16 |
| Summit | 100 | F | SP | FF | Menthol | 15 | 1.1 | 15 |
| Summit | 100 | F | SP | Lt | | 11 | 0.8 | 13 |
| Summit | 100 | F | SP | Lt | Menthol | 9 | 0.8 | 9 |
| Summit | 100 | F | SP | Ultra-Lt | | 5 | 0.4 | 6 |
| Summit | King | F | HP | FF | | 15 | 1.1 | 14 |
| Summit | King | F | HP | Lt | | 10 | 0.8 | 12 |
| Summit | King | F | SP | FF | | 16 | 0.9 | 15 |
| Summit | King | F | SP | FF | Menthol | 14 | 1.0 | 13 |
| Summit | King | F | SP | Lt | | 10 | 0.8 | 11 |
| Summit | King | F | SP | Lt | Menthol | 11 | 0.8 | 11 |
| Summit | King | F | SP | Ultra-Lt | | 5 | 0.5 | 7 |
| Summit | King | NF | SP | | | 23 | 1.5 | 16 |
| Sundance* | 100 | F | SP | FF | | 13 | 0.8 | 17 |
| Sundance* | 100 | F | SP | FF | Menthol | 13 | 0.8 | 17 |
| Sundance* | 100 | F | SP | Lt | | 9 | 0.6 | 12 |
| Sundance* | 100 | F | SP | Lt | Menthol | 9 | 0.6 | 11 |
| Sundance* | 100 | F | SP | Ultra-Lt | | 4 | 0.3 | 8 |
| Sundance* | King | F | HP | FF | | 14 | 0.8 | 15 |
| Sundance* | King | F | HP | Lt | | 10 | 0.6 | 12 |
| Sundance* | King | F | SP | FF | | 14 | 0.8 | 16 |
| Sundance* | King | F | SP | FF | Menthol | 14 | 0.8 | 16 |
| Sundance* | King | F | SP | Lt | | 9 | 0.6 | 12 |
| Sundance* | King | F | SP | Lt | Menthol | 9 | 0.6 | 12 |
| Sundance* | King | F | SP | Ultra-Lt | | 4 | 0.3 | 6 |
| Sundance* | King | NF | SP | | | 21 | 1.1 | 17 |
| Tall | 120 | F | SP | FF | | 19 | 1.4 | 19 |
| Tall | 120 | F | SP | FF | Menthol | 18 | 1.5 | 17 |
| Tareyton | 100 | F | SP | FF | | 13 | 1.0 | 16 |
| Tareyton | 100 | F | SP | Lt | Long | 7 | 0.6 | 8 |
| Tareyton | King | F | SP | FF | | 14 | 1.0 | 14 |
| Tareyton | King | F | SP | Lt | | 6 | 0.5 | 6 |

"Tar," Nicotine & Carbon Monoxide Report

| Brand Name | Description | | | Tar | Nic | CO | | |
|-------------------|--------------------|----|-------------|------------|------------|-----------|-----|----|
| Tareyton, Herbert | King | NF | SP | 25 | 1.5 | 17 | | |
| Tempo* | 100 | F | SP FF | 13 | 0.8 | 17 | | |
| Tempo* | 100 | F | SP FF | Menthol | 13 | 0.8 | 17 | |
| Tempo* | 100 | F | SP Lt | 9 | 0.6 | 12 | | |
| Tempo* | 100 | F | SP Lt | Menthol | 9 | 0.6 | 11 | |
| Tempo* | 100 | F | SP Ultra-Lt | 4 | 0.3 | 8 | | |
| Tempo* | King | F | SP FF | 14 | 0.8 | 16 | | |
| Tempo* | King | F | SP FF | Menthol | 14 | 0.8 | 16 | |
| Tempo* | King | F | SP Lt | 9 | 0.6 | 12 | | |
| Tempo* | King | F | SP Lt | Menthol | 9 | 0.6 | 12 | |
| Tempo* | King | F | SP Ultra-Lt | 4 | 0.3 | 6 | | |
| Tempo* | King | NF | SP | 21 | 1.1 | 17 | | |
| Top Choice* | 100 | F | SP FF | Generic | 16 | 1.0 | NA | |
| Top Choice* | 100 | F | SP FF | Menthol | Generic | 16 | 1.0 | NA |
| Top Choice* | 100 | F | SP Lt | Generic | 11 | 0.7 | NA | |
| Top Choice* | 100 | F | SP Lt | Menthol | Generic | 11 | 0.8 | NA |
| Top Choice* | 100 | F | SP Ultra-Lt | Generic | 6 | 0.5 | NA | |
| Top Choice* | King | F | SP FF | Generic | 16 | 1.0 | NA | |
| Top Choice* | King | F | SP Lt | Generic | 11 | 0.7 | NA | |
| Top Choice* | King | F | SP Lt | Menthol | Generic | 11 | 0.7 | NA |
| Top Choice* | King | F | SP Ultra-Lt | Generic | 6 | 0.5 | NA | |
| Top Choice* | King | NF | SP | Generic | 24 | 1.6 | NA | |
| Tri-Brand* | 100 | F | SP FF | 13 | 0.8 | 17 | | |
| Tri-Brand* | 100 | F | SP Lt | 9 | 0.6 | 12 | | |
| Tri-Brand* | 100 | F | SP Lt | Menthol | 9 | 0.6 | 11 | |
| Tri-Brand* | 100 | F | SP Ultra-Lt | 4 | 0.3 | 8 | | |
| Tri-Brand* | King | F | HP Lt | 10 | 0.6 | 12 | | |
| Tri-Brand* | King | F | SP FF | 14 | 0.8 | 16 | | |
| Tri-Brand* | King | F | SP Lt | 9 | 0.6 | 12 | | |
| Tri-Brand* | King | F | SP Lt | Menthol | 9 | 0.6 | 12 | |
| Tri-Brand* | King | F | SP Ultra-Lt | 4 | 0.3 | 6 | | |
| Tri-Brand* | King | NF | SP | 21 | 1.1 | 17 | | |
| Triumph | King | F | SP | 4 | 0.4 | 4 | | |
| Triumph | King | F | SP | Menthol | 4 | 0.4 | 5 | |
| Triumph | 100 | F | SP | Menthol | 5 | 0.5 | 6 | |
| True | 100 | F | HP | 6 | 0.5 | 6 | | |
| True | 100 | F | SP | 6 | 0.6 | 7 | | |
| True | 100 | F | SP | Menthol | 6 | 0.5 | 6 | |
| True | King | F | HP | 4 | 0.4 | 5 | | |
| True | King | F | SP | 4 | 0.4 | 5 | | |
| True | King | F | SP | Menthol | 4 | 0.4 | 5 | |

"Tar," Nicotine & Carbon Monoxide Report

| Brand Name | Description | | | | | Tar | Nic | CO |
|-------------------|--------------------|----|----|----------|---------|------------|------------|-----------|
| Winston | 100 | F | HP | Slim-Lt | Select | 9 | 0.8 | 9 |
| Winston | 100 | F | HP | Ultra-Lt | | 6 | 0.6 | 9 |
| Winston | 100 | F | SP | | | 16 | 1.2 | 17 |
| Winston | 100 | F | SP | Lt | | 10 | 0.8 | 13 |
| Winston | 100 | F | SP | | Select | 16 | 1.3 | 15 |
| Winston | 100 | F | SP | Ultra-Lt | | 4 | 0.4 | 7 |
| Winston | King | F | HP | | | 16 | 1.1 | 16 |
| Winston | King | F | HP | | Select | 16 | 1.2 | 17 |
| Winston | King | F | HP | Lt | | 11 | 0.9 | 12 |
| Winston | King | F | HP | Lt | Select | 10 | 0.8 | 11 |
| Winston | King | F | HP | Ultra-Lt | | 5 | 0.5 | 8 |
| Winston | King | F | SP | | | 16 | 1.1 | 15 |
| Winston | King | F | SP | | Select | 16 | 1.2 | 15 |
| Winston | King | F | SP | Lt | | 10 | 0.8 | 12 |
| Winston | King | F | SP | Lt | Select | 11 | 0.9 | 13 |
| Winston | King | F | SP | Ultra-Lt | | 5 | 0.5 | 8 |
| Winston | 100 | F | HP | | Select | 16 | 1.3 | 15 |
| Winston* | 100 | F | HP | Lt | Select | 10 | 0.9 | 11 |
| Winston* | 100 | F | SP | Lt | Select | 10 | 0.8 | 11 |
| Worth* | 100 | F | SP | FF | | 13 | 0.8 | 17 |
| Worth* | 100 | F | SP | FF | Menthol | 13 | 0.8 | 17 |
| Worth* | 100 | F | SP | Lt | | 9 | 0.6 | 12 |
| Worth* | 100 | F | SP | Lt | Menthol | 9 | 0.6 | 11 |
| Worth* | 100 | F | SP | Ultra-Lt | | 4 | 0.3 | 8 |
| Worth* | King | F | HP | FF | | 14 | 0.8 | 15 |
| Worth* | King | F | HP | Lt | | 10 | 0.6 | 12 |
| Worth* | King | F | SP | FF | | 14 | 0.8 | 16 |
| Worth* | King | F | SP | FF | Menthol | 14 | 0.8 | 16 |
| Worth* | King | F | SP | Lt | | 9 | 0.6 | 12 |
| Worth* | King | F | SP | Lt | Menthol | 9 | 0.6 | 12 |
| Worth* | King | F | SP | Ultra-Lt | | 4 | 0.3 | 6 |
| Worth* | King | NF | SP | | | 21 | 1.1 | 17 |