



香煙尼古丁及焦油下跌

試驗樣本及方法

第31次香煙試驗已由政府化驗師完成，試驗樣本共88個，其中73個在上一次香煙試驗時已包括在內，新加入15個型號。試驗樣本由海關人員在2004年1月至12月期間搜集，再交予政府化驗所試驗。樣本搜集及各項試驗均按照國際標準化組織(ISO)所訂立的標準程序及方法進行。

試驗結果

全部樣本檢出的焦油含量皆沒有超出《吸煙(公眾衛生)條例》規定的17毫克/每枝。樣本的最高和最低焦油及尼古丁含量見表一。

依據《吸煙(公眾衛生)條例》，試驗樣本的焦油類別分列如下：

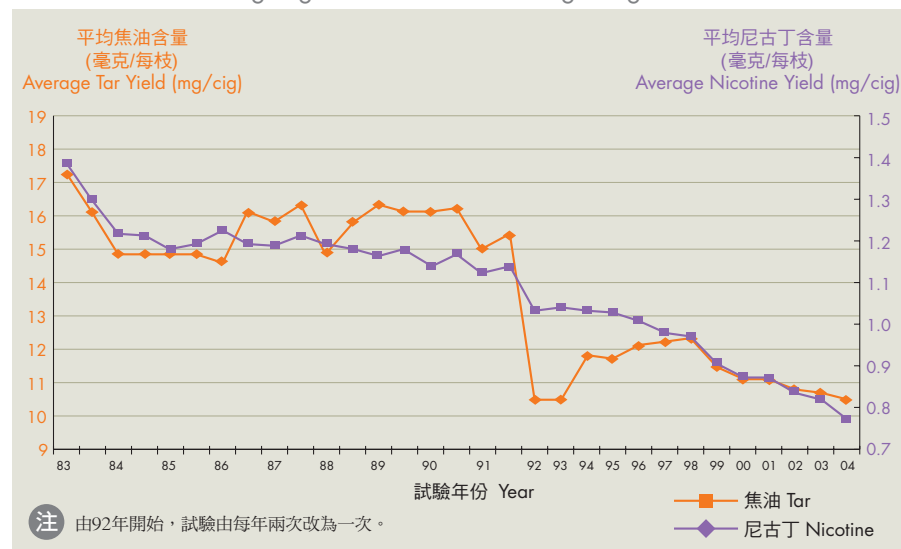
- ◇ 焦油含量低(每枝9毫克或以下)
—45個型號
- ◇ 焦油含量中(每枝10至14毫克)
—38個型號
- ◇ 焦油含量高(每枝15至17毫克)
—5個型號

62個型號所標示的焦油及/或尼古丁含量與政府的化驗結果有出入，但這些型號的偏差，除3個樣本外，其餘均在政府化驗師就有關鑒定公布的偏差寬限之內。

平均焦油及尼古丁含量均下跌

是次試驗的平均焦油含量為每枝9.9毫克，與上一次(第30次)比較，下降0.6毫克；平均尼古丁含量為每枝0.82毫克，比上一次下跌0.02毫克。

圖一：過去31次香煙試驗最高銷量香煙的平均焦油及尼古丁含量趨勢圖
Figure 1: Trends of Average Tar and Nicotine Yields of the "Best-Selling Cigarettes" Brands in Hong Kong



表一：焦油及尼古丁含量最高和最低樣本

Table 1: Information on Samples with the Highest and Lowest Tar or Nicotine Yields

	焦油含量 (牌子)	尼古丁含量 (牌子)
最高 The Highest	國際多好廿枝裝：17毫克/每枝 MORE FTKS 20's Box : 17 mg/cig	國際多好廿枝裝、金邦薄荷硬盒： 1.5毫克/每枝 MORE FTKS 20's Box, BOND STREET International FTKS 20's Box : 1.5mg/cig
最低 The Lowest	醇健1廿枝裝：1毫克/每枝 KENT One Lights Charcoal FTKS 20's Box : 1 mg/cig	醇健1廿枝裝：0.2毫克/每枝 KENT One Lights Charcoal FTKS 20's Box : 0.2 mg/cig

測試報告

表二：香煙的焦油及尼古丁含量 Table 2 : TAR AND NICOTINE YIELDS OF CIGARETTES

由政府化驗師從2004年1月至12月所收集的樣本測定

As determined by the Government Chemist from samples obtained during the period of January - December 2004

牌子 BRAND	焦油含量(毫克/每枝) TAR YIELD (mg/cig)	尼古丁含量(毫克/每枝) NICOTINE YIELD (mg/cig)
焦油含量低(0-9毫克焦油/每枝) LOW TAR (0-9 mg tar/cigarette)		
KENT One Lights Charcoal FTKS 20's Box +	醇健1 廿枝裝	1
SILK CUT Ultra Mild 20's Box +	至醇時運硬盒廿枝裝	4
KENT Super Menthol FTKS 20's Box +	健牌 M2	5
MILD SEVEN Super Lights FTKS 20's Box +	硬盒超醇萬事發廿枝裝	5
VIRGINIA Slims Superslims Menthol 20's Box +	特纖秀薄荷維珍廿枝裝	5
MARLBORO Ultra Lights FTKS 20's Box +	萬寶路超醇硬盒	5
MARLBORO Ultra Lights Menthol FTKS 20's Box +	萬寶路超醇薄荷硬盒	5
KENT SuperLights 20's Box +	醇健5 廿枝裝	6
YVES SAINT LAURENT Lights Menthol 100s 20's Box +	醇薄荷聖羅蘭廿枝裝	6
SALEM Super Lights FTKS 20's Box +	硬盒超醇沙龍	6
DAVIDOFF Lights Menthol FT 20's Box +	醇薄荷大衛杜夫	7
DUNHILL Lights FTKS 20's Box +	醇登喜路廿枝裝	7
MARLBORO Lights 20's Box +	特醇萬寶路硬盒廿枝裝	7
MARLBORO Lights FTKS 20's Soft Pack +	特醇萬寶路軟包廿枝裝	7
MILD SEVEN Lights FTKS 20's Box +	硬盒醇萬事發廿枝裝	7
WINFIELD Lights FTKS 20's Box	醇威豪硬盒廿枝裝	7
WINFIELD Lights FTKS 25's Box +	醇威豪硬盒廿五枝裝	7
LIUSHUIYIN Lights FTKS 20's Box +	廿枝裝硬盒中南海醇	7
WINNER Lights FTKS 20's Box +	廿枝裝硬盒8mg溫拿	7
CAMEL Lights FT 20's Box +	硬盒醇駱駝廿枝裝	8
KENT Menthol Lights FTKS 20's Box +	健牌 M1	8
MARLBORO Lights Menthol 20's Box +	薄荷醇萬寶路硬盒廿枝裝	8
MILD SEVEN FTKS 20's Box +	硬盒萬事發廿枝裝	8
NISE Light FTKS 20's Box +	萊士醇味	8
SALEM Lights FTKS 20's Box +	硬盒醇沙龍廿枝裝	8
VIRGINIA Slims Lights Menthol 20's Box +	醇薄荷維珍廿枝裝	8
WINSTON Lights FT 20's Box +	硬盒醇雲絲頓	8
CAPRI Slim Lights Menthol FT 20's Box +	卡碧特醇薄荷廿枝裝(纖幼)	8
CAPRI Superslims Menthol FT 20's Box +	卡碧特醇薄荷(特纖幼)廿枝裝	8
CARTIER VENDOME Lights FT 20's Box +	卡地亞明珠廿枝裝	8
CARTIER VENDOME Menthol Lights FT 20's Box +	醇薄荷卡地亞明珠廿枝裝	8
DAVIDOFF Lights FT 20's Box +	醇大衛杜夫廿枝裝	8
DJ MIX Iced Green Apple Menthol Lights FTKS 20's Box	廿枝裝硬盒DJ Mix青蘋果薄荷香煙	8
HILTON Lights FTKS 20's Box +	硬盒醇希爾頓廿枝裝	8
HILTON Lights Menthol 20's Box +	硬盒醇薄荷希爾頓廿枝裝	8
KENT Deluxe Lights 20's Box +	醇健8 廿枝裝	8
VICEROY Lights FTKS 20's Box +	硬盒醇總督廿枝裝	8
VICEROY Lights Menthol FTKS 20's Box +	硬盒醇薄荷總督廿枝裝	8
WINNER Menthol FTKS 20's Box +	廿枝裝硬盒薄荷溫拿	8
MARLBORO Lights 100's FT 20's Box +	特長醇萬寶路硬盒廿枝裝	9
MARLBORO Lights Menthol FTKS 100's 20's Box +	特長薄荷醇萬寶路硬盒廿枝裝	9
YVES SAINT LAURENT Menthol 100's 20's Box +	薄荷聖羅蘭廿枝裝	9
DJ MIX (Lemon) Lights FTKS 20's Box	廿枝裝硬盒DJ Mix檸檬味香煙	9
DOUBLE HAPPINESS FTKS Super Mild 20's Box	廿枝裝超醇硬盒紅雙喜	9
BOND STREET International Lights FTKS 20's Box +	金邦硬盒	9
焦油含量中(10-14毫克焦油/每枝) MIDDLE TAR (10-14 mg tar/cigarette)		
KENT FTKS 20's Box +	硬盒健牌廿枝裝	10
MARLBORO Medium 20's Box +	中醇萬寶路硬盒廿枝裝	10
DAVIDOFF Classic FTKS 20's Box +	大衛杜夫廿枝裝	11
MARLBORO Menthol FTKS 20's Box +	薄荷萬寶路硬盒廿枝裝	11
MARLBORO 20's Box +	萬寶路硬盒廿枝裝	11

表二：香煙的焦油及尼古丁含量 Table 2 : TAR AND NICOTINE YIELDS OF CIGARETTES

由政府化驗師從2004年1月至12月所收集的樣本測定

As determined by the Government Chemist from samples obtained during the period of January - December 2004

牌子 BRAND	焦油含量(毫克/每枝) TAR YIELD (mg/cig)	尼古丁含量(毫克/每枝) NICOTINE YIELD (mg/cig)	
焦油含量中(10-14毫克焦油/每枝) MIDDLE TAR (10-14 mg tar/cigarette)			
WINFIELD FTKS 25's Box	威豪硬盒廿五枝裝	11	0.9
WINFIELD Full Flavour FTKS 20's Box	威豪	11	0.9
ZEN Classic Special Filter 20's Box	真牌香煙	12	0.8
DUNHILL FTKS 20's Box	登喜路廿枝裝	12	0.9
HILTON FTKS 20's Box	硬盒希爾頓廿枝裝	12	0.9
HILTON FTKS 20's Soft Pack	希爾頓廿枝裝	12	0.9
MARLBORO FTKS 20's Soft Pack +	萬寶路軟包廿枝裝	12	0.9
SALEM 20's Box +	硬盒沙龍廿枝裝	12	0.9
CAMEL FTKS 20's Box +	硬盒駱駝濾咀廿枝裝	12	1.0
LUCKY STRIKE FTKS 20's Soft Pack	好彩軟盒廿枝裝	12	1.0
NISE Menthol FTKS 20's Box	萊士薄荷	12	1.0
SARATOGA Menthol 120 FT 20's Box +	薄荷西加廿枝裝	12	1.0
FURONGWANG 20's Box	芙蓉王濾咀廿支裝	12	1.1
NISE FTKS Full Flavor 20's Box +	萊士香煙	12	1.1
GOOD COMPANION Deluxe FTKS 20's Box	良友硬盒廿枝裝	12	1.2
STATE EXPRESS 555 FTKS 20's Box +	長三個五廿枝裝	12	1.2
OKI Classic Special FT 20's Box	OKI	13	0.8
CAPSTAN FTKS 20's Box	硬盒噶士頓廿枝裝	13	0.9
VICEROY FTKS 20's Soft Pack	總督廿枝裝	13	0.9
MARLBORO Red (100's) 20's Box +	特長萬寶路硬盒廿枝裝	13	1.0
VICEROY FTKS 20's Box	硬盒總督廿枝裝	13	1.0
DOUBLE HAPPINESS FTKS 20's Soft Pack	廿枝裝紅雙喜	13	1.1
BENSON & HEDGES FTKS 20's Box	金邊臣廿枝裝	13	1.2
DOUBLE HAPPINESS FTKS Premium 20's Box +	廿枝裝特級硬盒紅雙喜	13	1.2
CHESTERFIELD FTKS 20's Soft Pack	濾咀吉時廿枝裝	14	1.0
VICEROY FT 100's 20's Box	硬盒特長總督廿枝裝	14	1.0
HILTON S/L 20's Box	硬盒特長希爾頓廿枝裝	14	1.1
HONGTASHAN FT 20's Box	紅塔山廿枝裝	14	1.1
ROTHMANS FTKS 20's Box	樂富門廿枝裝	14	1.1
DOUBLE HAPPINESS FTKS 20's Box	廿枝裝硬盒紅雙喜	14	1.2
PEONY FTKS 20's Box	廿枝裝硬盒牡丹	14	1.2
YUN YAN (Special Edition) FTKS 20's Box	極品雲煙廿枝裝	14	1.2
BOND STREET International FTKS 20's Box +	金邦薄荷硬盒	14	1.5
焦油含量高(15-17毫克焦油/每枝) HIGH TAR (15-17 mg tar/cigarette)			
WINSTON FTKS 20's Soft Pack +	軟包雲絲頓廿枝裝	15	1.0
PHILIP MORRIS Menthol 100's FT 20's Box +	薄荷金徽100硬盒廿枝裝	15	1.1
PHILIP MORRIS Menthol 100's 20's Soft Pack +	薄荷金徽100軟包廿枝裝	15	1.1
CHUNGHWA (Red) FTKS 20's Box	廿枝裝硬盒中華	15	1.3
MORE FTKS 20's Box	國際多好廿枝裝	17	1.5

<p>注</p> <p>1. 表中數字是整個抽樣期間的平均值。</p> <p>2. 同一焦油數值的香煙按牌子的英文字母順序排列。</p> <p>3. 附「+」符號的型號，濾咀上有針孔，吸煙時針孔全部或部分封閉，所產生的焦油可能比檢定為高。</p> <p>4. 根據國際標準ISO 3308:2000、ISO 4387:2000、ISO 10362-1:1999、ISO 8243:2003及ISO 10315:2000進行測試。</p>	<p>5. 根據國際標準化組織及亞洲共同研究所由1993年至2003年的資料，測試的不確定度如下：</p> <table border="0"> <tr> <td>平均焦油量(毫克)</td> <td>不確定度(毫克)</td> </tr> <tr> <td>1至4</td> <td>±1.0</td> </tr> <tr> <td>5至9</td> <td>±1.5</td> </tr> <tr> <td>10至14</td> <td>±1.7</td> </tr> <tr> <td>15至17</td> <td>±2.0</td> </tr> <tr> <td>平均尼古丁量(毫克)</td> <td>不確定度(毫克)</td> </tr> <tr> <td>0.1至0.4</td> <td>±0.10</td> </tr> <tr> <td>0.5至1.0</td> <td>±0.15</td> </tr> <tr> <td>1.1至1.5</td> <td>±0.20</td> </tr> </table>	平均焦油量(毫克)	不確定度(毫克)	1至4	±1.0	5至9	±1.5	10至14	±1.7	15至17	±2.0	平均尼古丁量(毫克)	不確定度(毫克)	0.1至0.4	±0.10	0.5至1.0	±0.15	1.1至1.5	±0.20
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<p>Remarks :</p> <p>1. The reported figures represent averaged values of determinations undertaken over the whole sampling period.</p> <p>2. Brands with the same figure for tar and nicotine yields are listed in alphabetical order.</p> <p>3. Brands marked with + are found to have "PINHOLES" on the filter overwraps. Tar yields might be greater than the values reported when these holes are blocked either partially or completely during human smoking.</p> <p>4. International Standards employed for the determination are ISO 3308:2000, ISO 4387:2000, ISO 10362-1:1999, ISO 8243:2003, and ISO 10315:2000.</p>	<p>5. The estimates of uncertainty for the methods summarized below are based on data published by the International Organization for Standardization and results reported by Asia Collaborative Study from 1993 to 2003.</p> <table border="0"> <tr> <td>Mean tar yield(mg)</td> <td>Uncertainty(mg)</td> </tr> <tr> <td>1 to 4</td> <td>±1.0</td> </tr> <tr> <td>5 to 9</td> <td>±1.5</td> </tr> <tr> <td>10 to 14</td> <td>±1.7</td> </tr> <tr> <td>15 to 17</td> <td>±2.0</td> </tr> <tr> <td>Mean nicotine yield(mg)</td> <td>Uncertainty(mg)</td> </tr> <tr> <td>0.1 to 0.4</td> <td>±0.10</td> </tr> <tr> <td>0.5 to 1.0</td> <td>±0.15</td> </tr> <tr> <td>1.1 to 1.5</td> <td>±0.20</td> </tr> </table>	Mean tar yield(mg)	Uncertainty(mg)	1 to 4	±1.0	5 to 9	±1.5	10 to 14	±1.7	15 to 17	±2.0	Mean nicotine yield(mg)	Uncertainty(mg)	0.1 to 0.4	±0.10	0.5 to 1.0	±0.15	1.1 to 1.5	±0.20
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