

表2 Concentrations of biologically active agents in nonfilter cigarette mainstream smoke

Smoke constituent	Concentration/cigarette
Total particulate matter	15-40 mg
Carbon monoxide	10-23 mg
Nicotine	1.0-2.3 mg
Acetaldehyde	0.5-1.2 mg
Acetic acid	0.1-1.0 mg
Acetone	100-250 µg
Methanol	90-180 µg
Nitrogen oxides	100-600 µg
Formic acid	80-600 µg
Hydrogen cyanide	400-500 µg
Hydroquinone	110-300 µg
Catechol	100-360 µg
Ammonia	50-130 µg
Benzene	20-50 µg
Acrolein	60-100 µg
Phenol	60-140 µg
Croton aldehyde	10-20 µg
Formaldehyde	70-100 µg
Pyridine	16-40 µg
3-Methylpyridine	20-36 µg
2-Cresol	14-30 µg
3- and 4-Cresol	40-80 µg
3- and 4-Methylcatechol	31-45 µg
Carbazole	1 µg
2-Nitropropane	0.2-2.2 µg
<i>N</i> -Nitrosonornicotine	200-3000 ng
4-(Methylnitrosamino)-1-(3-pyridyl)-1-butanone	80-770 ng
<i>N</i> -Nitrosoanabasine	0-150 ng
<i>N</i> -Nitrosodiethanolamine	0-36 ng
<i>N</i> -Nitrosopyrrolidine	0-110 ng
<i>N</i> -Nitrosodimethylamine	2-20 ng
<i>N</i> -Nitrosomethylethylamine	0-2.7 ng
<i>N</i> -Nitrosodiethylamine	0-2.8 ng
<i>N</i> -Nitrosodi- <i>n</i> -propylamine	0-1 ng
<i>N</i> -Nitrosodi- <i>n</i> -butylamine	0-3 ng
<i>N</i> -Nitrosopiperidine	0-9 ng
Hydrazine	32-43 ng
Urethane	20-38 ng
Vinyl chloride	1.3-16 ng
Benz[ <i>a</i> ]anthracene	20-70 ng
Benzo[ <i>b</i> ]fluoranthene	4-22 ng
Benzo[ <i>j</i> ]fluoranthene	6-21 ng
Benzo[ <i>k</i> ]fluoranthene	6-12 ng
Benzo[ <i>a</i> ]pyrene	20-40 ng
Dibenz[ <i>a,h</i> ]anthracene	4 ng
Dibenzo[ <i>a,i</i> ]pyrene	1.7-3.2 ng
Indeno[1,2,3- <i>cd</i> ]pyrene	4-20 ng
5-Methylchrysene	0.6 ng
Dibenz[ <i>a,j</i> ]acridine	2.7 ng
Dibenz[ <i>a,h</i> ]acridine	0.1 ng
7 <i>H</i> -Dibenzo[ <i>c,g</i> ]carbazole	0.7 ng
2-Naphthylamine	1.7-22 ng
4-Aminobiphenyl	2.4-4.6 ng
<i>ortho</i> -Toluidine	32-160 ng
Maleic anhydride	Present
2,3-Dimethylmaleic anhydride	Present
Succinic anhydride	Present
Coumarin	Present