

	bw (kg)	limiet (mg/kg bw, per opgerookte stick)	limiet (mg nicotine per opgerookte stick)	limiet (mg 6-methyl nicotine/kg bw, per opgerookte stick)
11-16 y	45.1	0.000500	0.023	0.000543
16-18 y	62.2	0.000500	0.031	0.000543
adult	68.8	0.000500	0.034	0.000543

POD =LOAEL mg/kg bw

nicotine	0.0035	LOAEL voor increased heart rate uit Lindgren et al
6-methylnicotine	0.00380	

AF

10 intraspecies extrapolation + LOAEL-NOAEL extrapolation

inhalatie absorptie

1

dead space correctie

0.7

MW (g/mol)

nicotine	162.24
6-methylnicotine	176.26

limiet (mg 6-methyl
nicotine per opgerookte

sigarette)

0.024

0.034

0.037

	bw (kg)	limiet (mg/kg bw, per opgerookte stick)	limiet (mg nicotine per opgerookte stick)
11-16 y	45.1	0.000610	0.028
16-18 y	62.2	0.000610	0.038
adult	68.8	0.000610	0.042

POD =LOAEL mg/kg bw

nicotine	0.0061
6- methylnicotine	0.00663

obv Hansson!!

AF

10	intraspecies extrapolation + LOAEL-NOAEL extrapolation
1	CFkinetics
5	CFpotency
2	UF

MW (g/mol)

nicotine	162.24
6- methylnicotine	176.26

limiet (mg 6-methyl nicotine/kg bw, per ----- 0.0000663	limiet (mg 6-methyl nicotine per opgerookte ----- 0.0030	ratio limit obv Hansson vs Lindgren
0.0000663	0.0041	1.22
0.0000663	0.0046	1.22

C(ET,BT) mg/L	Fdilution	Concentration nicotine	Concentration 6-MN
0.07	10	0.07	0.02535
AF			
10		intraspecies extrapolation + LOAEL-NOAEL extrapolation	
3		UF	

MW (g/mol)	
nicotine	162.24
6-methylnicotine	176.26

water air 305.16164

7413102.41301

7.4%neutral pKa-pH = $\log [H^+]/[HA]$

7.4	1	50.00%
8.02	4.16869	19.35%
8.5	12.58925	7.36%
8.58	15.13561	6.20%