

Supplementary Table 1

Mentholated Snus product. <sup>1</sup>	Pouch weight (mg). <sup>1</sup>	Estimated menthol per pouch (mg). <sup>1,2</sup>	Estimated lower end of menthol concentration in saliva (mg/ml)	Estimated higher end of menthol concentration in saliva (mg/ml)
Camel Snus, Medium	531	1.64-2.8	0.041- 0.082 (262 $\mu$ M – 524 $\mu$ M)	0.07 - 0.14 (445 $\mu$ M -890 $\mu$ M)
Camel Snus, Large	970	3.0-5.09	0.075 - 0.15 (477 $\mu$ M - 954 $\mu$ M)	0.13 - 0.26 (827 $\mu$ M - 1.66 mM)

Calculation of estimated range of menthol concentrations in saliva upon consumption of a single snus pouch. The weights of mentholated snus pouches were based on Stepanov et al., 2012. The range of menthol amounts per pouch of 3.09 mg/g and 5.25 mg/g was based on Chen et al, 2010. The range of menthol concentration in the saliva was based on the assumption that the stimulated saliva flow was 1-2 ml/m and a pouch is used for 20 minutes.<sup>3</sup>

1. Stepanov I, Jensen J, Biener L, et al. Increased pouch sizes and resulting changes in the amounts of nicotine and tobacco-specific N-nitrosamines in single pouches of Camel Snus and Marlboro Snus. *Nicotine Tob Res* 2012;**14**(10):1241-5.
2. Chen C, Isabelle LM, Pickworth WB, et al. Levels of mint and wintergreen flavorants: smokeless tobacco products vs. confectionery products. *Food Chem Toxicol* 2010;**48**(2):755-63.
3. Navazesh M, Christensen C, Brightman V. Clinical criteria for the diagnosis of salivary gland hypofunction. *J Dent Res* 1992;**71**(7):1363-9.