

Mouth Watchers™ Toothbrush Silver Elute Test
By SILVIX Co., Ltd.

SILVIX laboratory has studied how much silver (ionic or colloidal) are eluted out from Mouth Watchers toothbrush polymers when they were in a water tank.

Subject material (silver contents)	Eluted silver contents (ppb = 1/1000ppm = mg/Kg)		
	First day	Seventh day (accumulated)	Average(/day)
PP SF (150ppm)	22.6	94.5	13.5
PET pellet (150ppm)	1.51	17	2.5
PU sponge (600ppm)	5.1	63	9.1

*. Subject materials are made by the technique of SILVIX 'particle growth method'

**. Ag reference dose (mg/Kg/day) in drinking water: 0.014mg/Kg/day,

(0.84mg/60Kg/day, 840ppb) by National Secondary Drinking Water Regulation in EPA

Based on the above results, the maximum average amount of silver content a day would be 13.5ppb/day, and it was satisfactorily small amount compared with the EPA drinking water regulation.

JoonYoung Kim, Ph.D.

Head Scientist, SILVIX Laboratory

SILVIX Co., Ltd.

TEL +82-31-294-3655

+82-70-8255-7597 (skype id : eldiroo)

FAX +82-31-294-3670

MOBILE +82-10-8889-8172

EMAIL ooridle@silvix.co.kr, ooridle@gmail.com