SUPPLEMENTARY MATERIAL

	Levels		
Factor	-1	0	1
Time (min)	10	20	30
AEW concentration (mg/L NaOH)	300	400	500
Temperature (°C)	30	40	50

Table S1. Complete factorial design 2³ with 4 center points for the cleaning of SSP using AEW

The experimental unit consisted of SSP plates with type A deposits, and developed biofilms, because they showed microbial population high enough to evaluate the cleaning and disinfection process. All treatments received a final disinfection process using 200 ppm of NEW, at 20 °C for 5 min. For all treatments the response variable was microbial population by plate count agar for 24 h at 30°C.

Table S2. Microbial populations from each treatment of factorial design 2³ with 4 center points.

AEW Concentration mg/L	Time min	Temperature °C	Log reduction/ cm ²	
300	10	30	7.30	
300	10	30	7.07	
300	10	30	7.25	
300	10	50	7.30	
300	10	50	7.47	
300	10	50	7.47	
300	30	30	7.38	
300	30	30	7.30	
300	30	30	7.47	
300	30	50	7.30	
300	30	50	7.47	
300	30	50	7.30	
500	10	30	7.31	
500	10	30	7.31	
500	10	30	7.07	
500	10	50	7.07	
500	10	50	7.31	
500	10	50	7.31	
500	30	30	7.22	
500	30	30	7.00	
500	30	30	7.47	
500	30	50	7.51	
500	30	50	7.07	
500	30	50	7.07	

400	20	40	7.30
400	20	40	7.30
400	20	40	7.30
400	20	40	7.30
400	20	40	7.30
400	20	40	7.30
400	20	40	7.51
400	20	40	7.07
400	20	40	7.07
400	20	40	7.07
400	20	40	7.07
400	20	40	7.47

From statistical analysis, the experimental data were not fitted by the experimental model (p = 0.446), with R² = 0.002, while the lack of fit was significant (results not shown). Concentration of AEW was the factor with greater influence on microbial population, showing *p*=0.1086 (Table S3).

	Estimated	Standard	t Ratio	Prob> t
	value	deviation		
Intercept	7.281	0.032	226.72	<.0001*
AEW concentration	-0.055	0.032	-1.70	0.1086
Time	0.015	0.032	0.48	0.6377
Temperature	0.023	0.032	0.71	0.4858
Concentration*Time	-0.019	0.032	-0.58	0.5675
Concentration*Temperature	-0.026	0.032	-0.82	0.4257
Time*Temperature	-0.033	0.032	-1.02	0.3206
Concentration*Time*Temperature	0.029	0.032	0.92	0.3707

Table S3. Interactions of the factorial design 2^3