

## Development of a Hg-free UV light source and its performance in photolytic and photocatalytic applications

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**Table S1.** EDX measurements of the Pyrex glass small rod for evaluating the possible deterioration of the inner walls caused by lighting the N<sub>2</sub>/SF<sub>6</sub>-filler electrode lamp.

Elements	Percent quantities of the elements	
	Before irradiation	After irradiation
O	38.5	38.5
Si	36.9	37.6
<i>Na</i>	<i>10.2</i>	<i>8.6</i>
Ca	4.4	4.7
K	2.8	2.9
Ba	2.8	2.9
Mg	2.3	2.4
Al	1.8	1.8
S	0.097	0.18
Sr	0.053	0.060
Fe	0.044	0.047
Cu	0.013	0.012
Zr	0.012	0.013