

Extract from a research made in the USA on the issue of lead content in faucets for civilian use.

The quality of the water that is released from the taps is an important factor for people. It has not to contain contaminants and the harmful substances must be zero or within the legal limits.

It was shown that the taps, and consequently also from traps, lead is released in the alloy brass.

For the study were used 1000 taps of different brands: after continuous passage of water, the results are that about 7% of the taps have issued a concentration of lead that exceed the level of environmental protection (limit 15 mg / l).

The concentration increases with increasing time that the water remains stationary in the faucet or traps at night when the tap is used less.

The new taps releases more lead than the old one, it was found that 5% of the samples used issue a concentration of lead in excess of the limits of law.

Taps (and traps) fused with the method of brass casting (traps products in China) are having a concentration of lead higher than other methods of manufacture or fusion.

Recently, to avoid this problem, for the taps for the U.S.A. and European markets, has been done a treatment of lead exclusion.

Products Ravani, being made of a pipe and brass bar with low content of lead, for this moment, no need this treatment.

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Los sifones **RAVANI SIFONI** están contruidos con tubo y barra de latón elaborados y soldados. Seguidamente mostramos el análisis químico del tubo y de la barra de latón utilizados por **RAVANI SIFONI**.

Composición química tubo latón OT 63Cu 37Zn-CW508L-EN12449:9 conforme DIN 50930-6:

<i>Cu</i>	<i>Pb</i>	<i>As</i>	<i>Al</i>	<i>Fe</i>	<i>Mn</i>	<i>Ni</i>	<i>Sn</i>	<i>Otras Impurezas</i>	<i>Zn</i>
63,00	2,20	0,10	0,80	0,30	0,10	0,20	0,30	0,02	diferencia

Composición química barra de latón TN. Tra UNI EN 12164:01 CW617N:

	<i>Cu</i>	<i>Pb</i>	<i>Sn</i>	<i>Fe</i>	<i>Ni</i>	<i>Al</i>	<i>Mn</i>	<i>As</i>	<i>Otras Impurezas</i>	<i>Zn</i>
<i>mín.</i>	57,00	1,60								
<i>max.</i>	59,00	2,50	0,30	0,30	0,30	0,05	0,00	0,00	0,20	diferencia

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