

TEST METHOD

Test is carried out assuming the face of the testing probe is into a drinking water tank with unknown dimensions.

Migration Test:

- Extraction media: Water used in test is according to EN-14944-3 standard and with 1 ppm of chlorine.
- Migration temperature: 40 °C
- Contact time:
 - o Samples are prepared according to EN-14944-3 standard.
 - o Subsequently, samples are subjected to 3 cycles for 72 hours, providing 3 different samples for tests.
 - o Parameters are measured for sample obtained in the first cycle. Samples for second and third cycle are used when parameters for first cycle are not according with the limits given in Spanish Regulation RD 140/2003.
- Sample volume: 1 litre per cycle of 72 hours.
- Contact surface area: 130 cm².
- Area/volume ratio: 130 cm²/l.

Metals: Determination of metals according to PE-D/0026 ICP-MS method.

Oxidability: Determination of oxidability according to PE-A/0008 method (Oxidability with Permanganate).

Nitrites: Determination of nitrites according to PE-A/0008 method (Absorption Spectrophotometry).

Odour: Determination of odour according to PE-A/0014 method (Dilution).

RESULTS

PARAMETERS	MIGRATION 1	MAXIMUM LEVELS RD 140/2003
Nitrites	<0,5 mg/l	<0,5 mg/l
Oxidability	0,3 mg O ₂ /l	5 mg O ₂ /l
Odour	1 Dilution Index	3 Dilution Index
Metals		
Arsenic	<10 µg/l	10 µg/l
Cadmium	<5 µg/l	5 µg/l
Chrome	<50 µg/l	50 µg/l
Nickel	<20 µg/l	20 µg/l
Lead	<10 µg/l	10 µg/l

CONCLUSION

The obtained data for the tested parameters in the sample are lower than the maximum levels established in the Spanish Regulation RD 140/2003, for sanitary conditions of drinking water quality which aside for human consumption. For this reason, **the MAXPLUG tested product accomplishes, according to the parameters tested, with the requirements established in the Spanish regulation RD 140/2003.**

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The above results refer exclusively to the product, sample or material surrendered to the Laboratory, according to the section of Samples Presented for Tests, and that have been tested under the conditions according to standards or procedures mentioned in the present document.
