

TECHNICAL REPORT

Client	GENEBRE, S.A. Av. Joan Carles I, 46-48 <u>08908 L'HOSPITALET DE LLOBREGAT</u>		
Analysis	Water quality test for valves and faucets		
Applicable Legislation & Assay procedure	"Royal Decree 3/2023, of 10 January, which establishes the technical-sanitary criteria for the quality of drinking water, its control and supply Directive (UE) 2020/2184. Directive of the European Parliament and of the Council on the quality of water intended for human consumption. 16 December 2020. Protocol 015002 OR "Quality control of water emerging from elements and equipments inside buildings. Version 2017".		
Sample Information	Sample Type Valve Reference Ball Valve heavy series. Art. 3020 : Batch 2302966 Sample Piece Material Latón, PTFE, NBR, Acero Connection point in the installation Point C 3.1 Room R&D. Laboratorio Dr Oliver Rodés. El Prat de Llobregat. Barcelona. Installation date July 26th, 2024		
Dates	Reception Date	Starting Date	Ending Date
	July 02nd, 2024	July 29th, 2024	August 01st, 2024

ASSAY CONDITIONS

Water assay characteristics: Public network chlorinated water.

Room conditions where the assay is performed: Conditioned room, maintained at a temperature between 20 and 25°C. It has a network installation of water directly connected from the building supply, made of copper pipe, with different water intakes enabled for the installation of the parts to be assayed

Assay description: According Protocol OR015002:

The sample piece washing is performed by making tap water circulate through the component for 9 hours followed by a 15 hours rest period. This process is repeated during 3 consecutive days.

On the fourth day, the water flow is opened and allowed to flow for half an hour. Afterwards, it is closed and left for 6 hours. Once the 6 hours period has finished, 1 Litre of water is sampled immediately.

To know the characteristics of the mains water used for the assay, a sample of mains water is taken and will be considered as the sample blank.

CONCLUSION:

In the water sample taken from the test piece (Analysis N° 8096870):

- It has been detected: Aluminum, Boron, Copper, Lead and Zinc.
- It has not been detected: Antimony, Arsenic, Cadmium, Chromium, Tin, Iron, Manganese, Nickel and Selenium

The Aluminum, Boron & Copper concentration found in the test piece is similar to the one detected in the tap water (Analysis N° 8096866).

However, the concentration of Lead and Zinc is higher in the sample taken from the test piece, indicating that these elements could come from it.

The water dispensed by the component, on the assay conditions (Protocol OR 015002), COMPLIES with the requirements stated in the Royal Decree 3/2023 and Directive (UE) 2020/2184 for the parameters analysed.

The reports corresponding to each of the samples analyzed are attached to this technical report.

Notes

This report only concerns the sample analyzed as received and may only be partially reproduced, with written authorization from Laboratory

El Prat de Llobregat (Barcelona), September 26th, 2024

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Technical Manager