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Our ref: 11824391-Ed.1-B1
Date: 28 February 2020
Update: 5 March 2020

To whom it may concern,

Declaration of Compliance for the BarrierPlus pipe type B1 by Uponor Infra DK

The BarrierPlus pipe type B1 by Uponor in dimension Group 1 and 2 has been subject to a toxicological assessment. Dimension Group 1 covers OD 32-63 mm, and Group 2 covers OD 75-225 mm according to Table 1, INSTA-CERT SBC EN 12201. The assessment of the barrier pipe in both dimension groups concluded the pipe to fulfill the requirements in the DK-VAND guideline on drinking water installations in Denmark¹.

The barrier drinking water pipe BarrierPlus B1 is a blue pipe with green stripes manufactured by Uponor Infra A/S in Middelfart, Denmark. The pipe is a polyethylene (PE) material with a barrier. The BarrierPlus B1 pipe is a pipe used for drinking water installations.

The acceptance criteria for the DK-VAND mark include requirements for chemical migration testing and a toxicological assessment with hygienic and health parameters². The toxicological assessment of the product includes obtaining and evaluation of all chemical substances in the materials, identification of possible hazardous migrants; identification of test parameters, design of laboratory testing and evaluation of test results.

This Declaration of Compliance for the barrier drinking water pipe BarrierPlus B1 has been issued by DHI, Environment and Toxicology on the basis of supplier's information on the material's chemical composition and our toxicological expertise.

This Declaration of Compliance is valid as long as the manufactured barrier drinking water pipe BarrierPlus B1 is in accordance with the tested version. Due to the regularly optimizations of manufacturing process and compositions of substances many polymeric materials undergo changes within a 2 to 3 years period, which results in the need for an updated toxicological assessment and testing.

Yours sincerely,

DHI A/S



Lise Møller,
Senior Scientist, M.Sc. (Biology)
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¹ The DK-VAND mark may be obtained as an addition to the INSTA-CERT certificate. INSTA-CERT covers requirements on mechanical and physical pressure and in addition hereto the DK-VAND mark covers requirements on migrations from the product. The INSTA-CERT certificate may only be obtained for PE and PVC drinking water pipes and PE fittings. As the INSTA-CERT standard for other types of products is not ready yet, all other types of product cannot for the time being obtain the INSTA-CERT certificate and DK-VAND mark. More types of products are expected to be included in the coming years. Nevertheless, other types of products, such as barrier pipes, may still fulfill the requirements on migrations according to the DK-VAND mark. For these products a Declaration of Compliance is issued.

² The DK-VAND requirements refer to Executive Order on Water Quality and Supervision of Water Supply Plant ("Drikkevandsbekendtgørelsen"; No. 1070 of 28/10/2019) and EU Directive 98/83/EC, Article 10 (to ensure that any material used for distribution of drinking water and contaminants in association with such materials are not present in the drinking water at concentrations that are harmful to health).