

DHI assists in health and safety assessments of pipes, fittings etc. for approval or certification of Danish drinking water installations.

In Denmark all polymeric materials used in the drinking water system must be approved and evaluated for release of harmful substances if the materials are intended for household use.

DHI assists you with health and safety assessments of pipes, fittings, etc., for approval or certification for Danish drinking water installations.

Approving bodies

Rules for drinking water installations are established by the Danish Environmental Protection Agency (Danish EPA). Two bodies may issue approvals:

- Dansk Standard (the Danish Standards Association) issues licences for standardised products, e.g. plastic pipes of PVC or PE.
- ETA-Danmark (European Technical Approval) is the approving authority for products without a common standard such as fittings, rubber membranes, and plastic components for valves. In Danish this approval is called a VA approval.



Certification from Danish Standard

When applying for certification with Dansk Standard of standardised PVC or PE pipes and fittings, the requirements include pressure testing and an assessment of possible migration of substances for smell and taste to the drinking water.

Contact: Hanne Sørensen

•+45 4516 9159

DHI, Agern Allé 5, 2970 Hørsholm, Denmark

VA approvals from ETA-Danmark

Installations connected to the water supply network must have a VA approval if there is a possibility that the products are incorporated in the drinking water system.

DHI offers

Our assistance in connection with Danish approval or certification includes:

- Health assessment of plastic and polymeric materials intended for drinking water installations
- Preparation of proposal for test programme
- Evaluation of test results



Tests and testing

Normally, tests will be carried out for migration to the drinking water on the following parameters: smell, taste, and TOC (Total Organic Carbon).

Coloured rubber items or products that may affect water clarity must also be tested for turbidity.

In addition, the Danish authorities can require tests for migration of specific substances that may be problematic, such as:

- Phthalates from plasticizers
- PAH from the use of "carbon black"
- Breakdown products, e.g. phenols, originating from antioxidants

If testing of some of the above parameters has been carried out recently, the tests might be acceptable for a Danish approval of the product if the tests comply with the conditions of the Danish test program.

•hso@dhigroup.com