



Product certificate K109804/01

Issued 2022-07-01

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ZW700B UF Membrane filtration elements

STATEMENT BY KIWA

With this product certificate, issued in accordance with the Kiwa Regulations for Certification, Kiwa declares that legitimate confidence exists that the products supplied by

Suez Water Technologies & Solutions, Hungary Kft

as specified in this product certificate and marked with the Kiwa®-mark in the manner as indicated in this product certificate may, on delivery, be relied upon to comply with Kiwa evaluation guideline BRL-K14037 "Evaluation Guideline for the Kiwa product certificate for 'Membrane filtration elements for the treatment and/or production of drinking water'" dated 21-11-2017.

Ron Scheepers
Kiwa

Publication of this certificate is allowed.

Advice: consult www.kiwa.nl in order to ensure that this certificate is still valid.

Kiwa Nederland B.V.

Sir Winston Churchillaan 273
Postbus 70
2280 AB RIJSWIJK
The Netherlands
Tel. +31 88 998 44 00
Fax +31 88 998 44 20
NL.Kiwa.info@Kiwa.com
www.kiwa.nl

Company

Suez Water Technologies & Solutions, Hungary Kft
Bláthy Ottó utca 4
2840 OROSZLÁNY
Hungary



Certification process
consists of initial and
regular assessment of:

- quality system
- product

ZW700B UF Membrane filtration elements

PRODUCT SPECIFICATION

This certificate covers the following membrane filtration elements for the treatment and/ or production of drinking water:

- ZW 700B-225;
- ZW 700B-250;
- ZW 700B-450;
- ZW 700B-4100;
- ZW 700B-4150;
- ZW 700B-6100;
- ZW 700B-8060;
- ZW 700B-8060A;
- ZW 700B-9060;
- ZW 700B-10060;
- ZW 700B-RMS

APPLICATION AND USE

Any handling of ground water, surface water, sea water, or other raw water used in the production of drinking water, up to the point where the drinking water becomes available for consumption.

APPROVAL

The products are approved on the basis of the requirements set in the "Regeling materialen en chemicaliën drink- en warm tapwatervoorziening" (Materials and chemicals in the supply of drinking water and warm tap water Regulation; published in the Government Gazette).

CRITERIA HYGIENIC ASPECTS

The product certification is based on two main criteria. It should permanently comply with the:

- product recipe approved during the assessment procedure. This recipe is not to be changed without prior approval by Kiwa following the Kiwa approval procedure related to the hygienic aspects.
- specific product requirements (see "PRODUCT REQUIREMENTS HYGIENIC ASPECTS").

PRODUCT REQUIREMENTS

For this product is relevant the positive list mentioned in the "Regeling materialen en chemicaliën drink- en warm tapwatervoorziening" (published in the Government Gazette).

After 30 days the maximum tolerable concentration in the drinking water ($MTC_{\text{drinking water}}$) of the following substances or parameters may not exceed the numerical values mentioned behind.

- TOC 2 mg/l;

The remaining valid MTC's are, with respect to confidentiality, laid down in the non-public 'appendix hygienic aspects' to certificate K109804.

FITNESS FOR CONTACT WITH DRINKING WATER

This product is approved on the basis of the requirements for hygienic aspects set in the "Regeling materialen en chemicaliën drink- en warm tapwatervoorziening" ("Materials and chemicals in the supply of drinking water and warm tap water Regulation", dated 01-07-2017; published in the Government Gazette).

These hygienic aspects are based on two main criteria. The product shall permanently comply with:

- The product recipe approved during the assessment procedure. This recipe is not to be changed without prior approval by Kiwa according to the Kiwa approval procedure for the hygienic aspects;
- Specific product requirements for the hygienic aspects.
The recipe and specific product requirements are laid down in the for confidentiality reasons undisclosed 'appendix hygienic aspects' to this certificate

MARKING


Design of the required Kiwa certification mark:

- "kiwa ", in ink or seal.

Location of the mark:

- On the product / On the packaging / On the delivery receipt.

Mandatory marks:

- "kiwa ";
- "ZW 700B-225" or "ZW 700B-250" or "ZW 700B-450" or "ZW 700B-4100" or "ZW 700B-4150" or "ZW 700B-6100" or "ZW 700B-8060" or "ZW 700B-8060A" or "ZW 700B-9060" or "ZW 700B-10060";

ZW700B UF Membrane filtration elements

- “K109804”.

INSTRUCTIONS FOR USE (IFU)

The supplier should provide information for the use of the membranes.

These IFU should include:

- Specification of the product (membrane element)
- Description of the filtration process
- Instruction for installation of the elements
 - Guidelines for commissioning/ start-up/ shut-down of a membrane system
- Instructions for initial flush prior to production of drinking water
- Guidelines for operating conditions
 - Filtration flux, feed pressure
 - Hydraulic cleaning (if applicable)
 - Chemical cleaning (CEB and CIP) incl. list of chemicals
 - Conservation and other precautions when not in production (short term, long term)
- Precautions for ▪ Safe use ▪ Shipment and storage
 - Conservation of membrane elements
- Maintenance
 - Membrane Integrity testing
 - Element repair procedure
- Health and Safety Issues
- Waste Disposal

Precautions to protect the product against contamination shall be agreed upon between the supplier and the client and shall be recorded in the quality management system of the supplier.

RECOMMENDATIONS FOR CUSTOMERS

Check at the time of delivery whether:

- the supplier has delivered in accordance with the agreement;
- the mark and the marking method are correct;
- the products show no visible defects as a result of transport etc.

If you should reject a product on the basis of the above, please contact:

- Suez Water Technologies & Solutions, Hungary Kft
- and, if necessary,
- Kiwa Nederland B.V.

Consult the supplier's (processing) guidelines for the proper storage and transport methods.

Check whether this certificate is still valid by consulting www.kiwa.nl.