

Novamem Ltd

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Novamem is the first company to use state-of-the-art technology to produce nano- to micro-filtration membranes. We offer high quality membranes produced from a variety of polymers.

Novamem DrinkPure HOME filtration efficacy: microplastics & microparticles

According to IUPAC microparticles are particles of any material with an average diameter between 0.1 μm and 100.0 μm . According to U.S. National Oceanic & Atmospheric Administration microplastic particles are plastic particles with an average diameter below 5 mm. For testing purposes, 100 ml of a 1000 ppm solution of fluorescent polystyrene particles with a size between 0.4 μm and 0.6 μm (Spherotech) was used to challenge Novamem DrinkPure™ filter at a pressure of 3 bar. The filtrate was analyzed by means of a fluorescent plate reader (Tecan Infinite 200). The test was performed in triplicate.

| Filter | Microsphere influent concentration [ppm] | Microsphere effluent concentration [ppm] | Average percent removal |
|--------------------|--|--|-------------------------|
| Novamem Drinkpure™ | 1000 | Not detectable | >99% |

The testing was performed

Date: January, 2018
Place: ETH Zürich
HCI E 114
Vladimir Prolog Weg 1
8093 Zürich
Switzerland

UBS AG

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