

## Test Certificate

### based on Elastomer Guideline

„Guideline for Hygienic Assessment of Elastomer Materials in Contact with Drinking Water“  
 (Issue 2016)

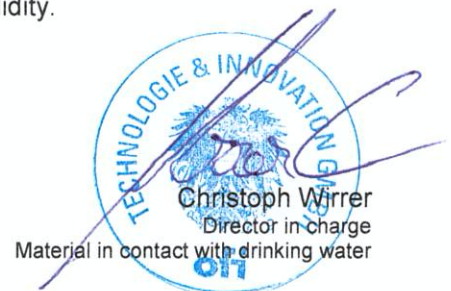
**Manufacturer:** Ulman Dichtungstechnik GmbH, DE – 71069 Sindelfingen  
**Product(s):** O-rings  
**Material:** N 7145 (NBR 70 black NB500)  
**Test:** initial test according to Elastomer Guideline

According to OFI test report 1702921 / 1H dated 2018-07-03 the above mentioned products underwent all tests required by the Elastomer Guideline. They fulfilled the requirements for the following temperature and application areas.

Application - category	Cold water (23 ± 2) °C	Warm water (60± 2) °C	Hot water (85±2) °C
Pipes with DN < 80 mm (domestic installation)	---	---	---
Pipes with 80mm ≤ DN ≤ 300mm (supply pipes)	---	---	---
Pipes with DN ≥ 300mm (main pipes)	---	---	---
Fittings (domestic installation)	---	---	---
Fittings (supply pipes)	---	---	---
Fittings (main pipes)	---	---	---
Seals (domestic installation)	fulfilled	---	fulfilled
Seals (supply pipes)	fulfilled	---	fulfilled
Seals (main pipes)	fulfilled	---	fulfilled
Tanks in domestic installations including repair systems	---	---	---
Tanks outside domestic installations including repair systems	---	---	---

The **validity of this test certificate** ends with **2021-12-31** – this under the presumption that no changes in the production or manufacturing process or the basic material are made, with the exception of routine adjustments; in case of changes in the relevant legislations and/or normative regulations, which require a new test on the product, this test certificate loses its validity.

Vienna, 2019-06-11



Christoph Wörner  
 Director in charge  
 Material in contact with drinking water