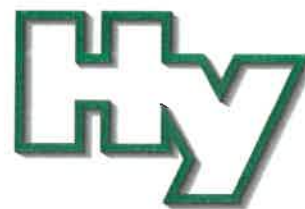


Hygiene-Institut des Ruhrgebiets

Institut für Umwelthygiene und Toxikologie

Direktor: Prof. Dr. rer. nat. L. Dunemann

Träger: Verein zur Bekämpfung der Volkskrankheiten im Ruhrkohlengebiet e.V.



HYGIENE-INSTITUT · Postfach 10 12 55 · 45812 Gelsenkirchen / GERMANY

FITT S.p.A.
Via Piave, 8
36066 SANDRIGO (VI)
ITALY

Visitor's/Parcel Address:
Rotthäuser Str. 21
45879 Gelsenkirchen

Telephone +49 (0) 209 9242-0
Extension +49 (0) 209 9242-210
Telefax +49 (0) 209 9242-212
E-Mail a.koch@hyg.de
Internet www.hyg.de

Reference-No.: K-329143-20-Ko/st
Contact person: Dr. Andreas Koch

Gelsenkirchen, 05.06.2020

TEST CERTIFICATE according to the TPE-Transition Recommendation (issue date: 11.03.2019)

Product: Hose FITT PURE

Test specimen: Hose FITT PURE (blue), fabric reinforced
Ø_i 10 mm / Ø_e 15 mm / thickness: 2.5 mm (manufacturer's information)

The above mentioned product was tested according to the Guideline on the hygienic assessment of thermoplastic materials in contact with drinking water of the German Environment Agency. Pursuant to the test report-no.: K-329143-20-Ko/st and K-329142-20-Ko/st dated 05.06.2020 the product meets the requirements for the product group:


**Pipes with DN < 80 mm in contact with
cold water (23 °C) and warm water (60 °C).**

All product groups for which the requirements are met are summarised on the back side.

The certificate is valid providing that the requirements, laid down in the Guideline regarding the testing of the microbial growth are fulfilled. This can be verified for the product f.e. with a valid test certificate according to the DVGW technical rule W 270.

This test certificate is valid beginning with the date of issue and is ending by **05.06.2025**. The test certificate may be extended for further five years, provided that the formulation, the relevant evaluation criteria (restrictions in the positive lists), the production process and the production place of the product have not changed.

The Director of the Hygiene-Institute
on behalf of


Dr. rer. nat. Andreas Koch
Head of the Dept. for water
hygienic material testing



The assessment was based on the assumption that the used starting substances and monomers used to manufacture the product are completely known and no other substances are present in the product. The validity of this document expires in case of modifications in the composition of the product or the processing conditions. The results and evaluations refer to the groups of test items. This document may not be published without our written permission only complete and unchanged or duplicated.

Legal Entity: Verein zur Bekämpfung der Volkskrankheiten im Ruhrkohlengebiet e.V., **Register:** VR 519 Local Court Gelsenkirchen (Germany); **VAT ID:** DE125018356
Directorate: Prof. Dr. Jürgen Kretschmann (Head), Dr. Emanuel Grün, Dr. Dirk Waider, Joachim Löchte, Prof. Dr. Lothar Dunemann (Executive Member).

The mentioned product meets the requirements according to the test report-no.: **K-329143-20-Ko/st** and **K-329142-20-Ko/st** dated **05.06.2020** for the following product group(s) and temperature(s), as far as technically suited.

Product group	cold water (23 °C)	warm water (60 °C)	hot water (85 °C)
Pipes with DN < 80 mm (service and domestic pipes)	passed	passed	
Pipes with 80 mm ≤ DN < 300 mm (distribution pipes)	passed	passed	
Pipes with DN ≥ 300 mm (large distribution, mains)	passed	passed	
Fittings for pipes with DN < 80 mm	passed	passed	
Fittings for pipes with 80 mm ≤ DN < 300 mm	passed	passed	
Fittings for pipes with DN ≥ 300 mm	passed	passed	
Seals for pipes with DN < 80 mm	passed	passed	
Seals for pipes with 80 mm ≤ DN < 300 mm	passed	passed	
Seals for pipes with DN ≥ 300 mm	passed	passed	
Containers in the drinking water installation including repair systems	passed	passed	
Containers outside the drinking water installation including repair systems	passed	passed	
Repair systems for containers in the drinking water installation with 1/100 of the surface area of the container	passed	passed	
Repair systems for containers outside the drinking water installation with 1/100 of the surface area of the container	passed	passed	
Small contact area components of materials for pipes with DN < 80 mm that are only installed in one place in the distribution system (e.g. plain bearing of a pump)	passed	passed	
Small contact area components of materials for pipes with 80 mm ≤ DN < 300 mm, that are only installed in one place in the distribution system (e.g. plain bearing of a pump)	passed	passed	
Small contact area components of materials for pipes with DN ≥ 300 mm, that are only installed in one place in the distribution system (e.g. plain bearing of a pump)	passed	passed	

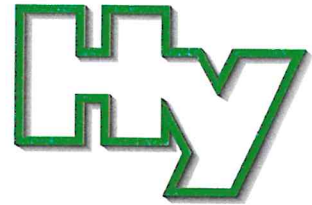
If further products or components with the same formulation are produced with the same process at one production site and differ only in geometry, this test certificate applies to further parts of this product range.

Hygiene-Institut des Ruhrgebiets

Institut für Umwelthygiene und Toxikologie

Direktor: Prof. Dr. rer. nat. L. Dunemann

Träger: Verein zur Bekämpfung der Volkskrankheiten im Ruhrkohlengebiet e.V.



Hygiene-Institut · Postfach 10 12 55 · 45812 Gelsenkirchen

Fitt S.p.A.
Via Piave, 8
36066 SANDRIGO (VI)
ITALY

Visitors/ postal address:
Rotthaus Str. 21, 45879 Gelsenkirchen,
Germany

Switchboard (0049209) 9242-0
Phone (0049209) 9242-230
Fax (0049209) 9242-222
E-Mail c.schell@hyg.de
Internet www.hyg.de

Reference: W-329064ek-20-SI/Krü
Replaces
test certificate: W-329064e-20-SI/Krü
Contact person: Mrs. Dr. Ch. Schell

Gelsenkirchen, 03.06.2020

TEST CERTIFICATE

Enhancement of Microbial Growth on Materials to Come into Contact with Drinking water
Test pursuant to DVGW Technical Standard W 270, November 2007

Client: Fitt S.p.A.
Via Piave, 8
36066 SANDRIGO (VI)
ITALY

Test material: **FITT PURE**

Test method: Material test

According to test report **W-329064e-20-SI/Krü** of **03.06.2020**, the hose-material **FITT PURE** is conform to the requirements for the use in the area of drinking water systems pursuant to DVGW Technical Standard W 270. Details regarding testing procedure and test results are itemized in the test report.

This test certificate is valid from the date of issue and, given that the conditions and requirements remain unaltered, expires on **03.06.2025**. Upon request of the client, the validity may be extended up to another 5 year term provided that the specifications of Technical Standard W 270 are met.

The Director of the Institute

p.p.

Dr. Ch. Schell

Head of Laboratory

Department of Water Hygiene and Environmental Microbiology



The test results and assessments refer exclusively to the examined test specimens and all applicable statutory regulations. The validity of the document expires in case of modifications in the composition of the material or the processing conditions. This present document may only be published and reproduced unabridged and unaltered. This document is no DVGW certification.

Legal Entity: Verein zur Bekämpfung der Volkskrankheiten im Ruhrkohlengebiet e.V., **Register:** VR 519 Local Court Gelsenkirchen (Germany); **VAT ID:** DE125018356
Directorate: Prof. Dr. Jürgen Kretschmann (Head), Dr. Emanuel Grün, Dr. Dirk Waider, Joachim Löchte, Prof. Dr. Lothar Dunemann (Executive Member).



DECLARATION OF COMPLIANCE FOR MATERIALS AND ARTICLES INTENDED TO COME INTO CONTACT WITH FOOD (FCM)

1. We hereby certify that the supplied hose FITT PURE produced by:

Fitt S.p.A. Via Piave, 8 36066 Sandrigo, VI (Italy) Tel. +39 0444 46 10 00 Fax +39 0444 46 10 99
--

complies

with all relevant regulations, and particularly with the following:

- **Regulation 1935/2004/EC,**
- **Regulation EC 2023/2006 (GMP),**
- **Regulation (EU) 10/2011** and following revisions and amendments,
- **Regulation (EU) 2020/1245,**

and with the following Italian Regulations:

- **D.M. 21/03/1973** and following revisions and amendments,
- **DPR 777/82** and following revisions and amendments.

2. The above-mentioned product is manufactured with the following materials suitable for food contact:
- Inner layer made of thermoplastic elastomer (contact side).
 - Reinforcement in polyester thread.
 - Outer layers made of thermoplastic elastomer.
3. The following substances subject to restrictions and/or specifications are used in the above-mentioned products:
4. To the best of our knowledge, we can confirm that there are some Dual Use Additives present in the product as described in the table above (Table 1) and that the product doesn't contain "Non-Intentionally Added Substances" (NIAS).
5. We certify that:
- The article meets the overall migration limits and specific migration limits under the following test conditions:
 - Simulant A: AQUEOUS SOLUTION OF ETHANOL at 10% v/v (for aqueous foodstuffs).
Testing time and temperature: 10 days at 40°C.
 - Simulant B: AQUEOUS SOLUTION OF ACETIC ACID at 3% p/v (for acid foodstuffs).
Testing time and temperature: 10 days at 40°C.
 - Simulant C: AQUEOUS SOLUTION OF ETHANOL at 20% v/v (for alcoholic foodstuffs).
Testing time and temperature: 10 days at 40°C.
 - Simulant D1: AQUEOUS SOLUTION OF ETHANOL at 50% v/v (for alcoholic foods with an alcohol content from 20% to 50 % and for oil in water emulsions and milk).
Testing time and temperature: 10 days at 40°C.

The product complies with the overall migration limits and other specific restrictions under which the monomers and/or additives contained in the material can be submitted, at the abovementioned usage conditions. All declared is supported by analytical tests carried out in compliance with the DM 21/03/1973 and articles 17 and 18 of Regulation (EU) 10/2011 in conjunction with Annex V or based on calculations made taking into account the % of the substances submitted to migration limits in the test conditions. Calculations presume that 1 kg of food enters into contact with 6 dm² of product. We remind that the Migration Limit is 60 mg/Kg food [ppm], also expressed as 10 mg/dm² (if the certificate reports mg/kg it is possible to convert it into mg/dm² dividing the value by 6) and we underline that the change in the analytical tolerance is between 10 and 20% (12 mg/kg or 2 mg/dm²).



6. We suggest giving notice to the writing Society if the usage conditions of the product do not correspond to the advice here supplied or whether the foodstuff which come into contact with the product (Food Contact Material) is different from the applicable conditions and from the simulants listed above.
7. The user of the product which is intended to come into contact with food has the responsibility of informing the writing Company about any restriction due to particular component characteristics (additives and aromas) of the foodstuff which has to be transported.
8. Industrial or commercial usage of the product concerned in this declaration is subject to the evaluation of its compliance to actual regulations and to the technological suitability to the declared final usage.
9. This declaration is valid as from the date indicated below and will be renewed when substantial changes in the processing (final product/raw material) will bring about modifications in some necessary requirements or when new amendments to the regulations mentioned at point 1) will require new controls to verify the compliance.
10. Moreover, we inform that all necessary support documents are at the disposal of the control authorities, in accordance with art. 16, par. 1 of Regulation 1935/2004/EC.

Date: 06 / 02 / 2023

This document and its attachments are addressed solely to the person or company above and contain confidential information.

Ing. Luca Battaglia
Regulatory Compliance Expert
Fitt S.p.A.

FITT S.p.A.
Via Piave 8, Sandrigo (VI)
T +39 0444 46 10 00 - Italy
C.F. / P.IVA IT00162620249
info@fitt.com / www.fitt.com

