

Wimpassing, 28.06.2012
RF/☎503/fax 446

CONFIRMATION FOOD QUALITY HOSES

Concerned Article: food quality hoses (see www.semperflex.com)

We hereby confirm that our above mentioned food quality hoses fully comply with the European regulation 1935/2004 and 2023/2006 on materials and articles intended to come into contact with food. Furthermore, they must be used according their respective BfR or FDA approval category, which are mentioned in our catalogue.

The European directive 2002/72 relates to plastic material and articles, specifically excluding rubber materials and articles (article 1, paragraph 3(b)).

We can also confirm, that we do not use any phthalates or Bisphenol A for the production of our hoses.

We can confirm external certifications for the liner material of following hose types:

LM1-EPDM, LM1S EPDM, LMD, LMH, AC110, AM 410: – Liner material name: A-3407white

- BfR (former BgVV) XXI:2002 Category 2 (Germany)
- FDA CFR 21 § 177.2600 (USA)

Test method acc. BfR Part B XXI, chap. 4.5.2, at 40°C / 24 h:

Global migration (deionisiertem Water):	5,6 mg/dm ²
Global migration (15 vol.-% Ethanol):	5,0 mg/dm ²
Global migration (3 % acetic acid):	39,0 mg/dm ²

LM2, LME Milkyline, LOSP, LMSP – Liner material name A-3405 white:

- BfR (former BgVV) XXI:2002 Category 3 (Germany)
- FDA CFR 21 § 177.2600 (USA)

Test method acc. BfR Part B XXI, chap. 4.5.2, at 40°C / 10 min.

Global migration (3 % acetic acid):	5,0 mg/dm ²
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LM3 , LM4S/SF1500, LM4P- Liner material name P-3326 white:

- BfR (former BgVV) XXI:2002 Category 2 (Germany)
- FDA CFR 21 § 177.2600 (USA)

Test method acc. BfR Part A XXI,

Global migration (3 % acetic acid): 93,7 mg/dm² (organic portion: 19,0 mg/dm²)

LOSP-G, LMSP-G - Liner material name P-3349 white:

BfR (former BgVV) XXI:2002 Category 4 (Germany)

For BfR Cat.4 is no migration test intended. The liner material in LOSP-G, LMSP-G includes only ingredients which are listed in BfR as recommended substances.

SEMPERIT Technische Produkte
Gesellschaft m.b.H.

i. A. R. Frohner, DI
Quality Manager

i. A. G. Mahlfleisch, Ing.
Product Manager

Product specifications may be subject to change without prior notice.



Semperit Technische Produkte Gesellschaft m.b.H
A-2632 Wimpassing • Triester Bundesstraße 26 • Telefon: +43/2630/310-0* • www.semperit.at
FN 36912h • Handelsgericht Wien • UID ATU 14234201 • DVR 0422291
Bank Austria Creditanstalt AG • BIC BKAUATWW • IBAN AT951100004200018200
Raiffeisen Zentralbank Österreich AG • BIC RZBAATWW • IBAN AT203100000100870949

Wimpassing, 24.11.2014
☎ 7101/fax 446

C O N F I R M A T I O N F O O D Q U A L I T Y H O S E S

Concerned Article: food quality hoses acc. actual valid data sheets (see www.semperflex.com)

EU No. 1935/2004, EU No 2023/2006

We hereby confirm that our above mentioned food quality hoses fully comply with the European regulation 1935/2004 and 2023/2006 on materials and articles intended to come into contact with food. Furthermore, they must be used according to their respective BfR or FDA approval category, which are mentioned in our catalogue.

EU No. 10/2011:

Within the regulation 1935/2004 is defined (Article 5), that specific measures for groups of materials and articles can be issued. The above regulation 10/2011 is such a specific regulation concerning plastic material (see Article 2 passage 2). Acc. the definition, rubber material is not concerned.

Regulation EU No 10/2011 is valid for following food quality hose: LMU, LMUS and LMW-Aqualine.

By usage according to the respective BfR or FDA approval category (see actual valid data sheet, www.semperflex.com) the liner material of this hose types fulfill the requirements of EU regulation Nr. 10/2011.

The liner material is sufficiently inert to preclude substances from being transferred to food in quantities large enough to endanger human health or to bring about an unacceptable change in the composition of the food or a deterioration in its organoleptic properties.

EU No. 93/11/EWG:

Regulation 93/11/EWG is not tested and not applicable to our products.

EU No. 2005/1895

For food quality hoses we do not use Epoxyderivate acc. EU regulation No.2005/1895.

EU RL 2004/1

For food quality hoses we do not use Azodicarbonamide acc. EU regulation No.2004/1.

Richtlinie 78/142/EWG

For food quality liner materials we do not use Vinylchlorid-Monomer acc. EU regulation No.78/142/EC.
We can confirm external certifications for the liner material of following hose types:



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LM1-EPDM, LM1S EPDM, LMD, LMH: – Liner material name: A-3407white

- BfR (former BgVV) XXI:2002 Category 2 (Germany)
- FDA CFR 21 § 177.2600 (USA)

Test method acc. BfR Part B XXI, chap. 4.5.2, at 40°C / 24 h:

Global migration (deionisiertem Water): 5,6 mg/dm²
Global migration (15 vol.-% Ethanol): 5,0 mg/dm²
Global migration (3 % acetic acid): 39,0 mg/dm²

LM2, LME Milkyline, LOSP, LMSP – Liner material name A-618 white:

- BfR (former BgVV) XXI:2002 Category 2 (Germany)
- FDA CFR 21 § 177.2600 (USA)

Test method acc. BfR Part B XXI, chap. 4.5.2, at 40°C / 24h

Global migration (3 % acetic acid): 5,0 mg/dm²

LM3, LM4S/SF1500 - Liner material name P-3326 white:

- BfR (former BgVV) XXI:2002 Category 2 (Germany)
- FDA CFR 21 § 177.2600 (USA)

Test method acc. BfR Part A XXI,

Global migration (3 % acetic acid): 93,7 mg/dm² (organic portion: 19,0 mg/dm²)

LMD-NBR, LMH-NBR (BfR Kat. 2) Liner material name P-3326-K6

- BfR (former BgVV) XXI:2002 Category 2 (Germany)
- FDA CFR 21 § 177.2600 (USA)

Test method acc. BfR Part B XXI, chap. 4.5.2, at 40°C / 24 h:

Global migration (15 vol.-% Ethanol): 11,2 mg/dm²
Global migration (3 % acetic acid): 16,6 mg/dm²

LOSP-G, LMSP-G - Liner material name P-3349 white:

BfR (former BgVV) XXI:2002 Category 4 (Germany)

For BfR Cat.4 is no migration test intended. The liner material in LOSP-G, LMSP-G includes only ingredients which are listed in BfR as recommended substances.

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Gesellschaft m.b.H.



i. A. S. Angermeier-Ziesler
Quality Engineering



i. A. G. Mahlfleisch, Ing.
Product Manager

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