



# NORMPACK-CERTIFICATE

Registration No.: 010 15 100 1588 27      Valid until: 2013-07-03

We declare that our material/article is manufactured in accordance with the Normpack Norm.

**Trade name (and type):** OPTILIN and LINFIRST/MULTILIN/Kebabfilm, Automatic Stretch Polyolefin Film for Food Contact. OPTILIN for Hand Wrapping, art no: 41235, 41240. OPTILIN for Machine Wrapping, art no: 41040, 41440, 41445, 41450, 41440-1, 41445-1, 41455-1, 41440-2, 41445-2. LINFIRST/MULTILIN/Kebabfilm, Art no: 41030.

**Material (material combinations):** (Layer by layer, starting from the outside and inwards to the layer closest to the food): Polyolefin (PE)

**Field of application: filling/storing (time/temperature):** >24 h/40°C;      h/ °C;      h/ °C

**Suitable for food type(s) (according to 85/572/EG + 2007/19/EG):**

Dry , Aqueous , Acid , Alcoholic , Fatty

**Ref.no:** 01 , 02 , 03 , 04 , 05 , 06 , 07 , 08

**Not suitable for ref.no:** 01.01 , 01.02 , 01.03 , 02.05.A , 02.06.A , 03.01 , 03.02.A.I , 03.02.B.I , 04.02.C.II , 04.03 A,B , 04.05.C.II , 05.01 , 05.02 , 06.01 , 06.03 , 06.04 , 06.05.B , 07.01 , 07.02 , 07.03 , 07.04 , 08.02 , 08.03.A.I,B.I , 08.06.B , 08.06.C , 08.07 , 08.08.I , 08.10.I , 08.13

**Other information:** The films meet the demands in the 2002/72/EC Directive regarding the Vinyl Acetate SML of <2mg/dm<sup>2</sup>

**Regulations:** LIV FS 2003:2 with any subsequent reprints and amendments, the Normpack Norm (see overleaf).

**Overall migration (mg/dm<sup>2</sup> or mg/kg):** <10 mg/dm<sup>2</sup> or <60 mg/kg

**To food simulant:** water , 3% acetic acid , 10% ethanol , olive oil , isooctane , 50% ethanol , 95% ethanol

**Time(s) and temperature(s) for migration tests:**      h/ °C;      h/ °C; 10 days/40°C

**Specific migration – SML:** See above      **CAS-no. or PM/ref-no.:** -

**Specify any (food) additive(s) (E-no./Multifunctional) if contents higher than 5 %:** -

**Does the material/product have a functional barrier?**      Yes       No

**What is the ratio of food contact surface area to volume?:** 6  
(Used to establish the compliance of the material or article, 2007/19/EG with any subsequent updates)

**See further §3 of the Normpack Norm.**

Has the company implemented a **traceability system** for materials/products in accordance with Art. 17, L 1935/2004  
Yes       No

Does the company have a working **GMP system** in accordance with L 2023/2006?  
Yes       No

If our product is further processed, the manufacturer/processor of the finished product is responsible that the migration demands are met. We also declare that should we on any occasion change the composition of our products in a way that would interfere with the declaration, we will inform your company.

*The certificate is valid provided that the demands of §3 of the Normpack-Norm (see overleaf) are fulfilled.*

Teampac AB **Teampac AB**  
Company

2011-07-03

Date

*Hans Leijon*

Signature of product/production responsible

Hans Leijon

Clarification of signature

The certificate documentation is audited by the Normpack secretariat.

*2011-07-03*

Date

*Kristina Salmén*

Normpack stamp and signature

Kristina Salmén

Clarification of signature

**SWEDISH MATERIAL NORM FOR MATERIALS AND ARTICLES IN CONTACT WITH FOODSTUFFS**  
**(The Norm) 2<sup>nd</sup> update September 2009**

**§1** Materials and articles in contact with foodstuffs shall meet the demands laid down in the Swedish Food Act (SFS 2006:804) and the European Directive no. 178/2002/EC, the Food Decree (SFS 2006:813), the Directives nos. 2232/96/EC and 1935/2004/EC, the Ordinance for materials and articles intended to come into contact with foodstuffs (LIVSFS 2003:2, updated by LIVSFS 2006:20), the Ordinance on nutritional supplements (LIVSFS 2003:9), on food additives (LIVSFS 2003:20, updated by LIVSFS 2004:30), on Foreign Substances in Food (SLV FS 1993:36 with amendments).  
**With any subsequent reprints and amendments.**

The following Decrees and Recommendations in force, specific for materials and products for food contact, are included in the Normpack-Norm:

EU-Ordinances 2232/96, 178/2002 (the Food Act), 1935/2004 (the Frame Regulation), 1895/2005 (Epoxy derivatives), 2023/2006 (GMP), 372/2007, 597/2008 (Plasticizers in lid gaskets), 282/2008 (Recycled Plastic) and the EU-Directives 78/142 (VCM), 80/766, 81/432, 86/572 (Food simulants), 82/711 (Test conditions, amended by 97/48), 2004/1 (Azo), 2004/14 (Cellophane), 2005/31 (Ceramic), 2007/42, 2002/72 with update 2008/39, 2009/975 (Plastic), 2004/19, 2005/79 and 2007/19, (Plastics and lid gaskets), EU-Regulation 450/2009 (Active and Intelligent materials and articles in contact with food)

**§2** For materials not covered in detail in Swedish food legislation one of the following regulations shall be invoked:

- The Dutch Packaging and Food-Utensils Regulation (Warenwet), Holland
- Kunststoffe im Lebensmittelverkehr, Empfehlungen des Bundesinstitutes für Risikobewertung (BfR), and Bedarfsgegenständeverordnung published in Bundesgesundheitsblatt, Germany
- Code of Federal Regulations, 21, Food and Drugs, §§ 174, 175, 176, 177, 178, 180, 181, 182, 184, 186 and 189, (FDA), USA

**§3** To prevent incorrect usage of materials and articles in contact with foodstuffs, supplier and buyer at all manufacturing and handling levels shall confer about the suitability of the product for the intended purpose.

**§4** Temporary Norm for Cellulose Based Materials (Except Cellophane) in Contact with Foodstuffs

**4.1** Fibrous raw materials may be used for materials in contact with fruit and vegetables that are usually washed and/or peeled provided that the material meets the general purity demands according to BfR, Empf. XXXVI.

**4.2** Fibrous raw materials may be used for materials in contact with dry food products provided that the material meets the general purity demands according to BfR, Empf. XXXVI. Only such recycled fibres may be used that are defined in BfR, Empf. XXXVI A.I.4 and with special consideration to footnotes 2 and 2a. "Untersuchungen von Papieren, Kartons und Pappen für den Lebensmittelkontakt, Wiedergewinnung von Papierfasern", section 2, "Begriffe".

**4.3** Fat or wet foodstuffs should not be in direct contact with materials containing recycled fibres. If the material contains recycled fibres, there should be a functional barrier between the foodstuff and the material. (Recommendation from the Swedish Food Administration).

**4.4** As the BfR Empf. XXXVI does not refer to materials with barrier layers, the migration of foreign substances is not allowed to exceed 10 mg/dm<sup>2</sup> according to the Warenwet legislation, Chapter II.

**4.5** BfR Empf. XXXVII, XXXVII/2 and XXXVII/3 shall be followed without remarks according to the BfR recommendations.

**4.6** The material shall always maintain a high microbiological purity adapted to the foodstuff in which it will come into contact.

**§5** Temporary Norm with amendments for additives with limits in plastic materials: (EU) Directives 02/72, 04/19, 05/79, 07/19, 08/39, EU ordinances 2023/2006, 372/2007 and 597/2008.

If there is a limit regulating materials and articles, the following alternative methods are suggested to establish whether the product meets the demands of 02/72/EEC with subsequent amendments:

- Measurements using standardised methods
- Measurements using fully validated or recommended methods
- Mathematical calculations
- If methods 1, 2 and 3 are not available, a method of measurement working satisfactorily with reference to the fixed limit value can be used until a fully validated method of measurement has been established.

**§6** Temporary Norm for printing inks. Description of legal status of printing inks in contact with foods.

**§7** The period of validity of the Normpack-certificate is shown on the certificate. It is subject to the composition of the product or applicable legislation and regulations not being changed during the period of validity and provided that the company is a member of Normpack.

Important www-addresses: [http://www.innventia.se/templates/STFIPage\\_7100.aspx](http://www.innventia.se/templates/STFIPage_7100.aspx)  
<http://www.slv.se>,  
<http://www.accessdata.fda.gov/scripts/cdrh/cfdocs/cfcfr/cfrsearch.cfm>  
<http://bfr.zadi.de/kse/faces/DBEmpfehlung.jsp?lang=en>  
[http://ec.europa.eu/food/food/chemicalsafety/foodcontact/legisl\\_list\\_en.htm](http://ec.europa.eu/food/food/chemicalsafety/foodcontact/legisl_list_en.htm)  
<http://warenwet.sdu.nl/warenwetonline/warenwet.exe?location=none&language=nl>